

Fig. 1

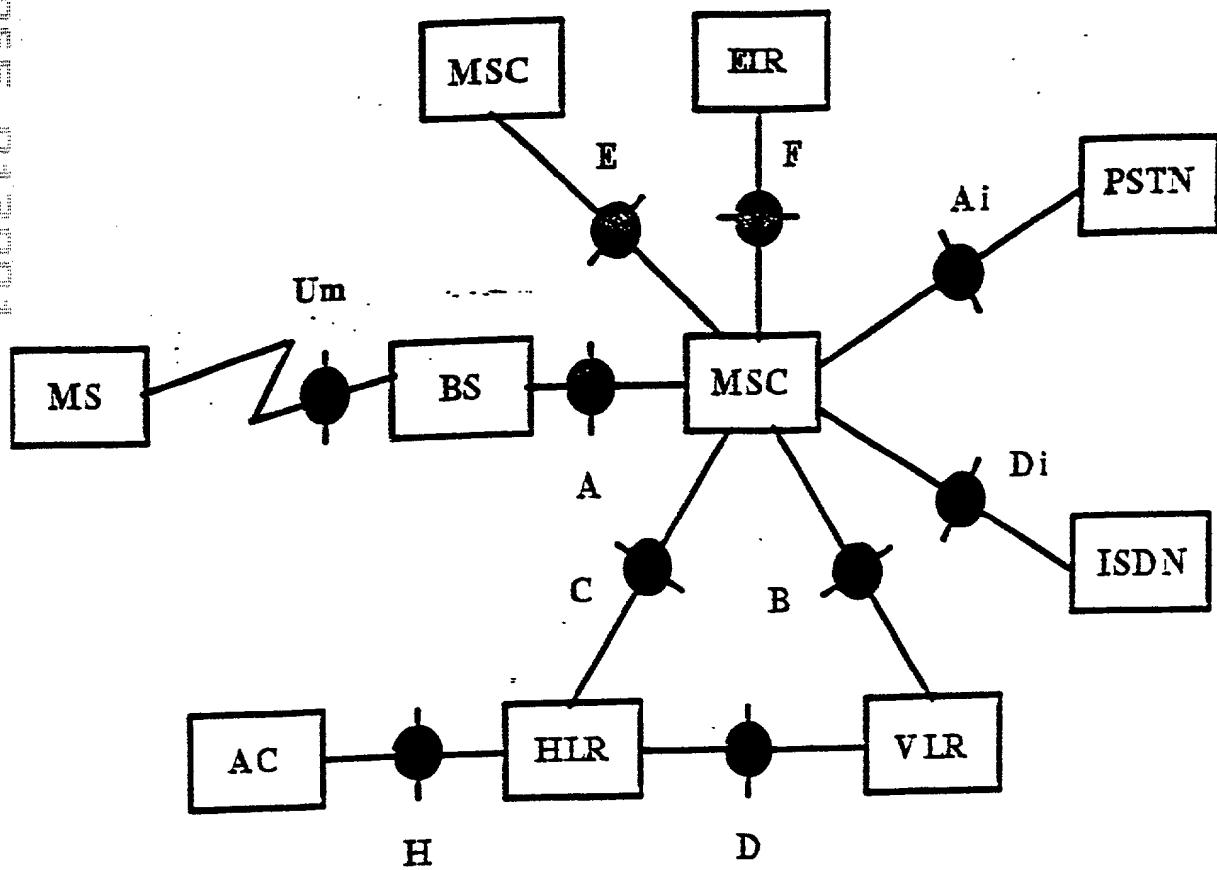


Fig. 2

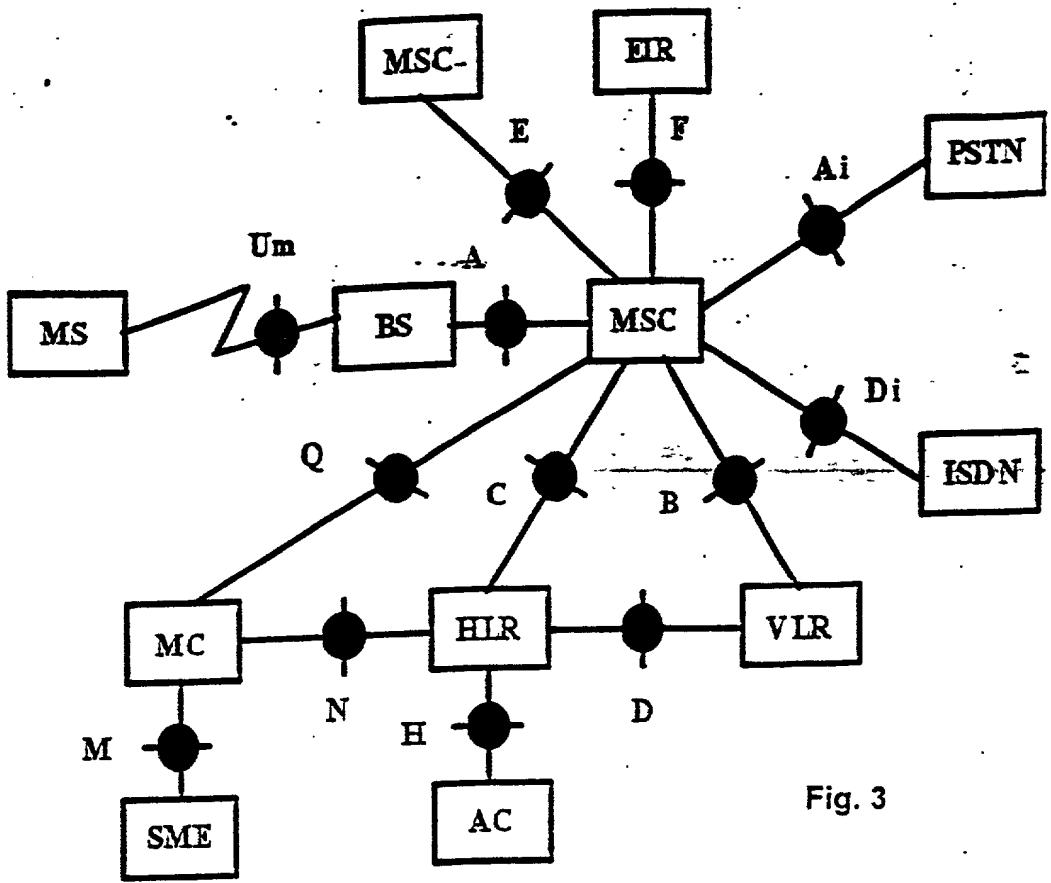


Fig. 3

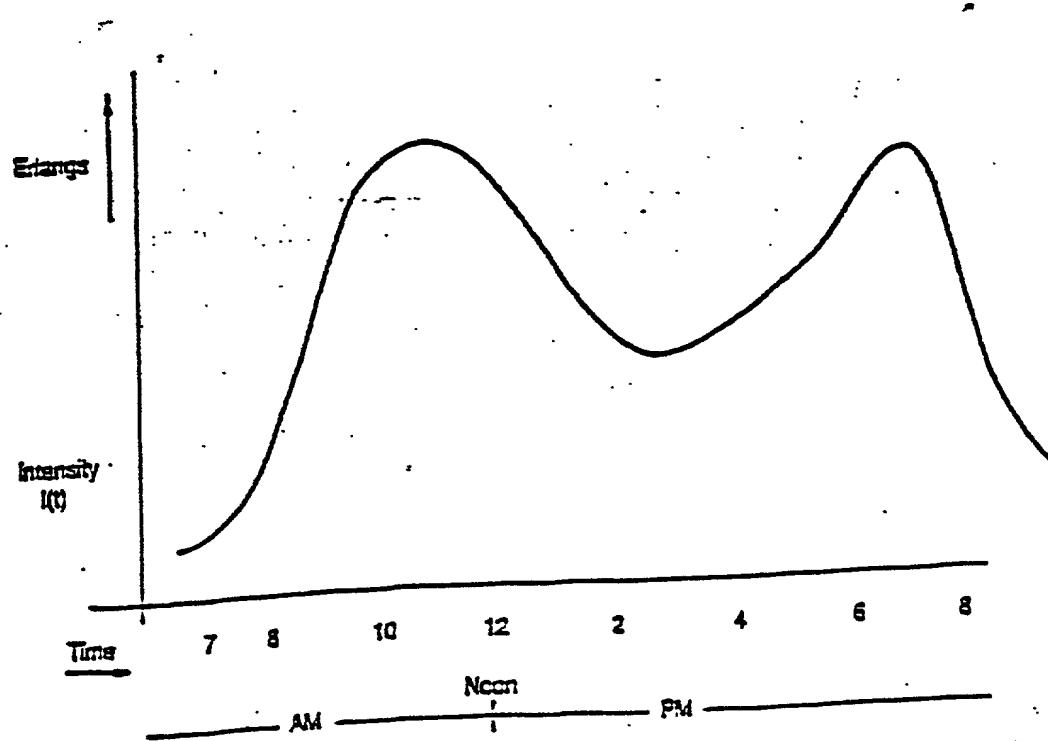


Fig. 4

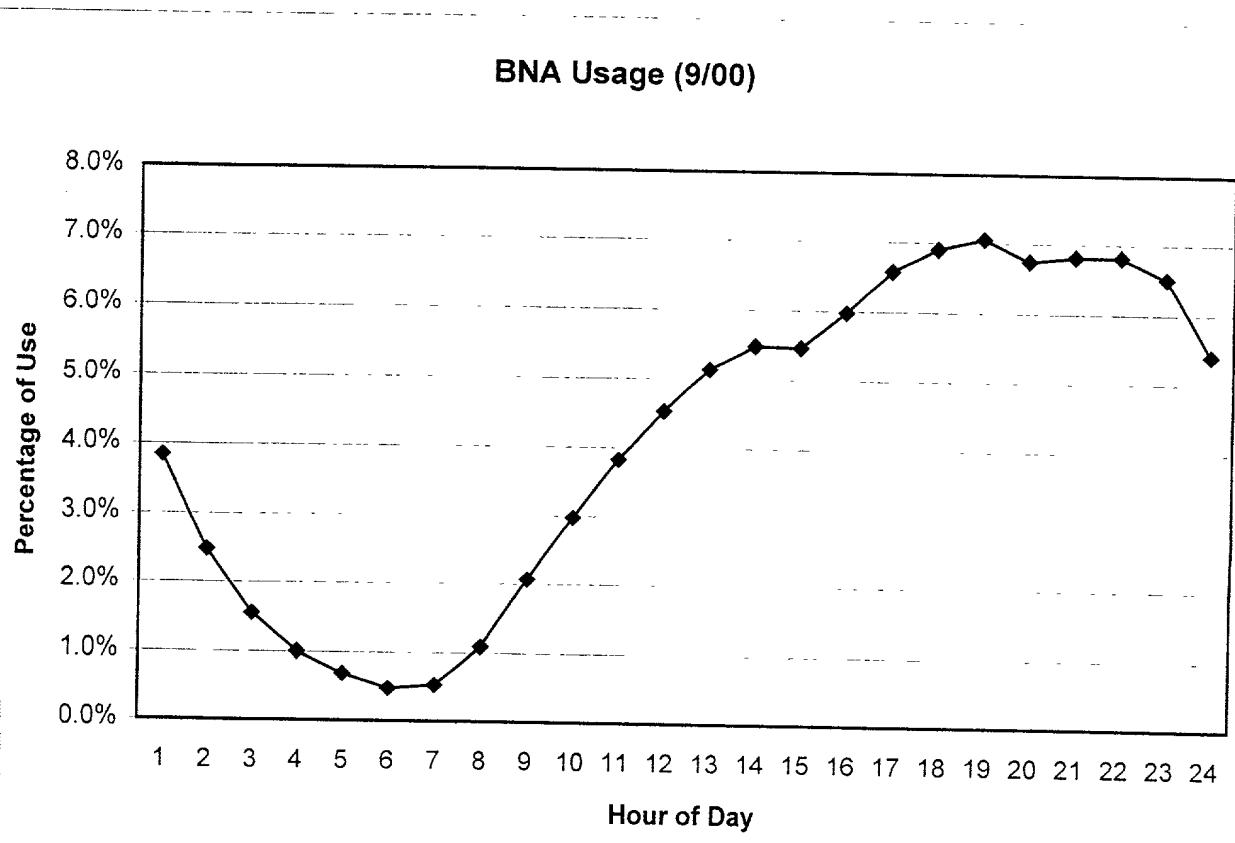


FIG. 5

System RF Blocking Rate

Estimated Blocking

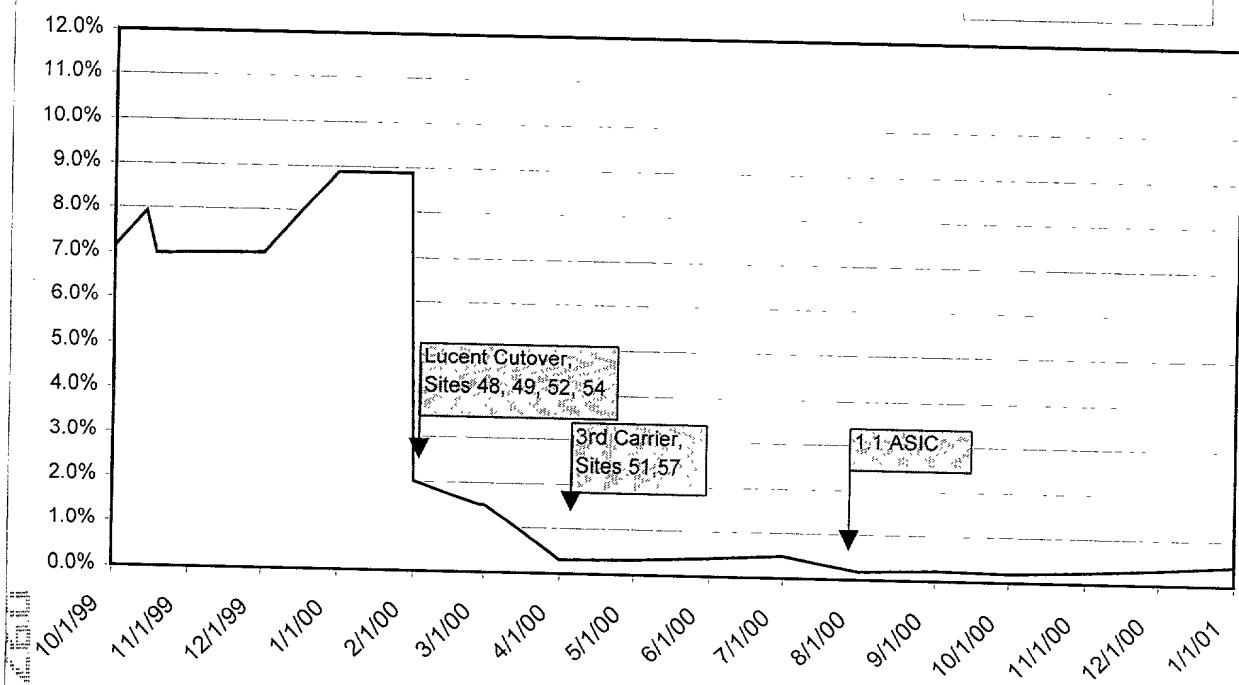


FIG. 6

Estimated Demand vs Capacity

Estimated Demand
Estimated Capacity

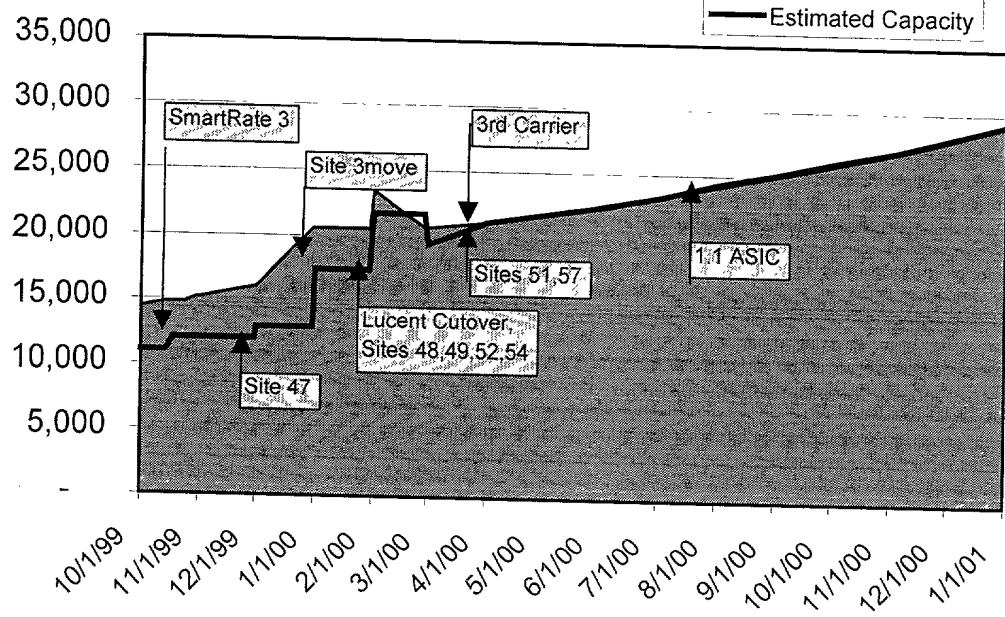


FIG. 7

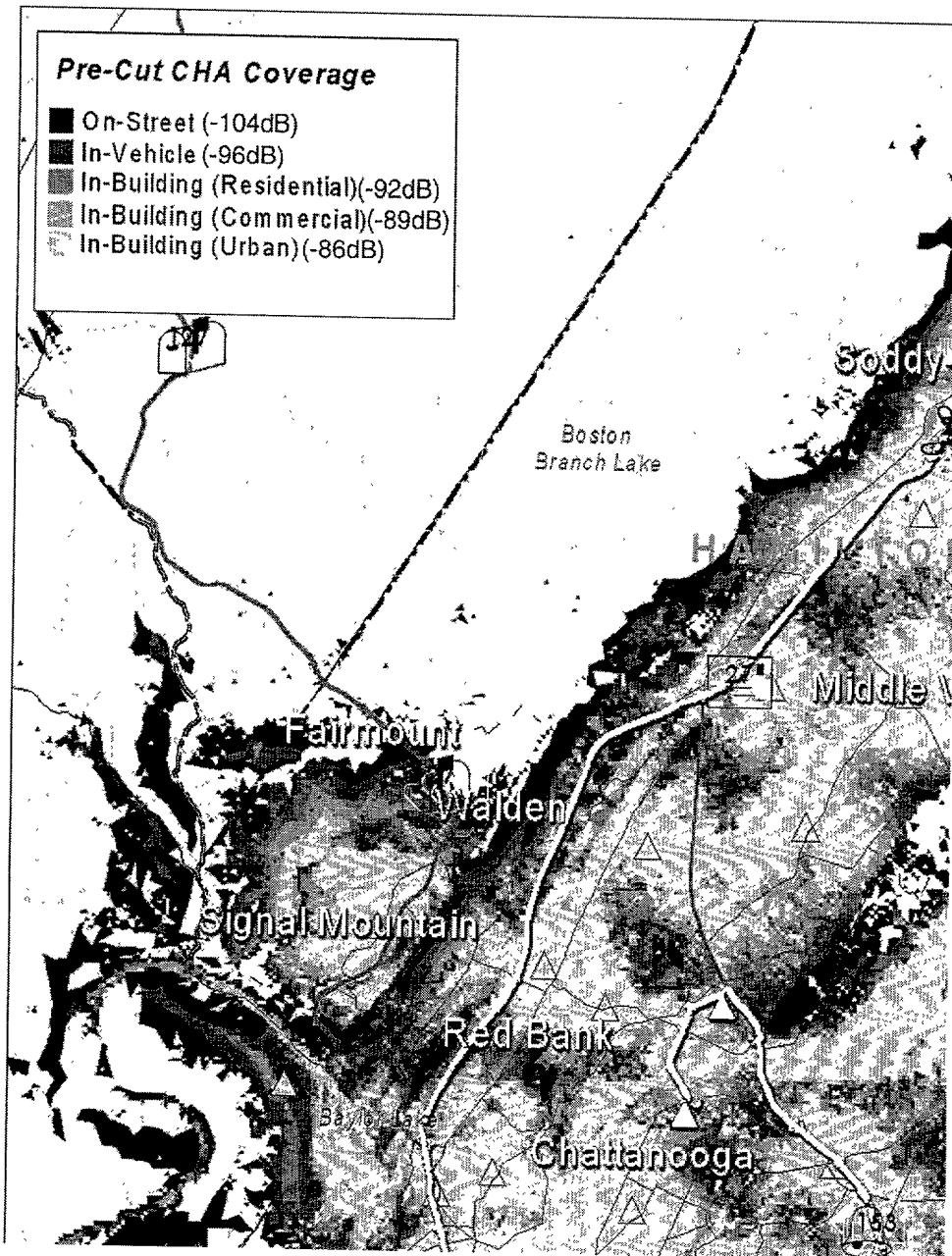


FIG. 8A

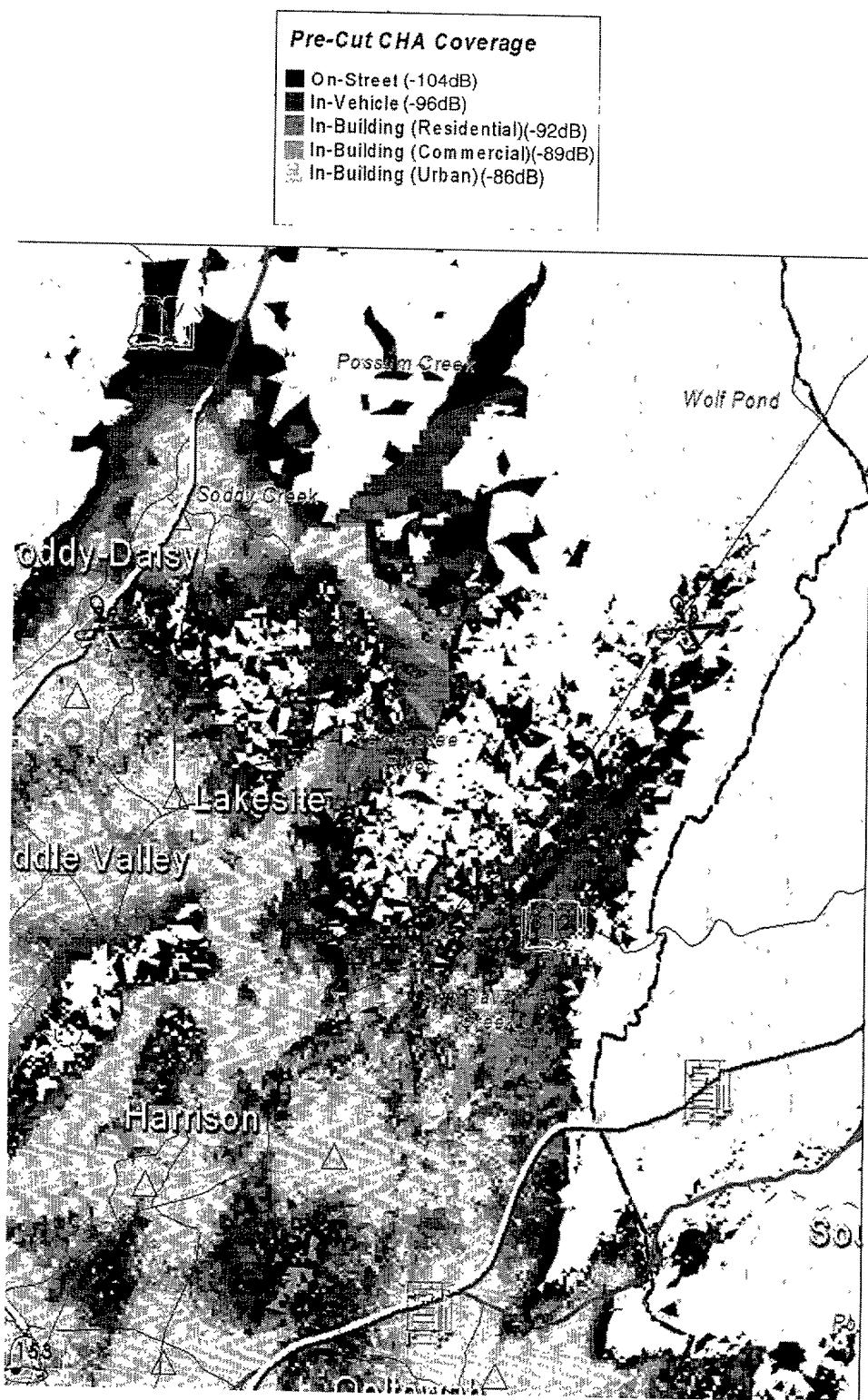


FIG. 8B

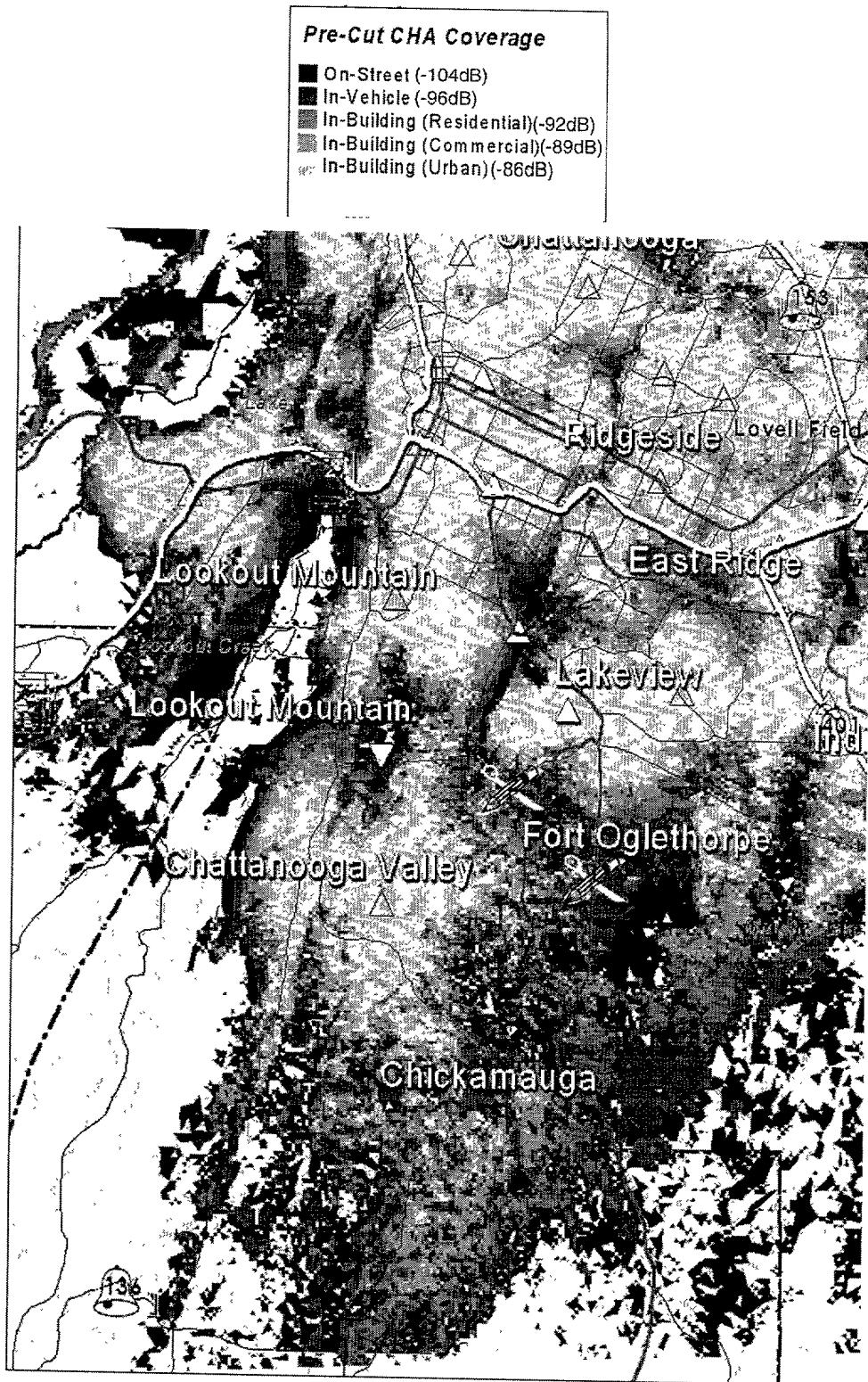


FIG. 8C

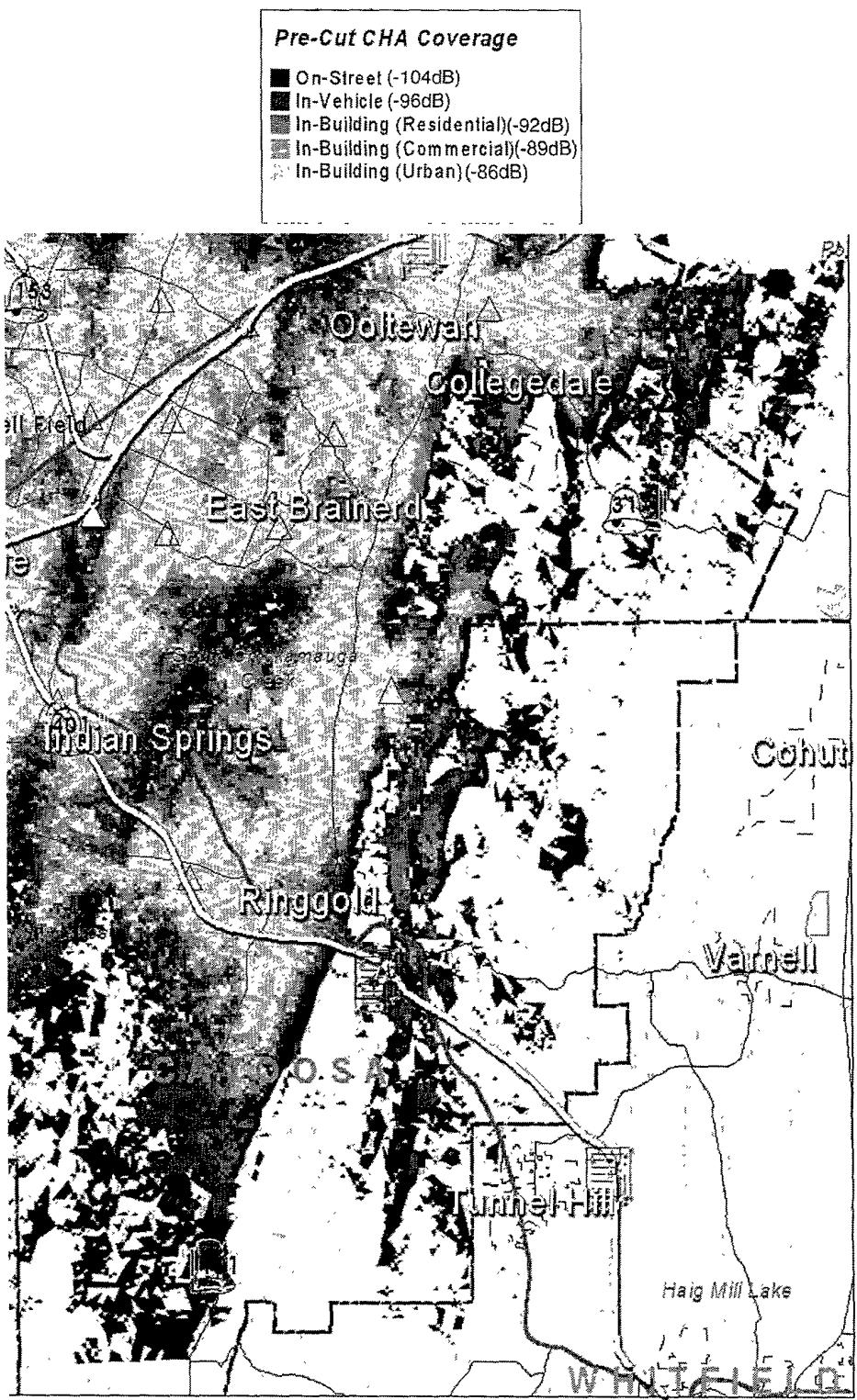


FIG. 8D

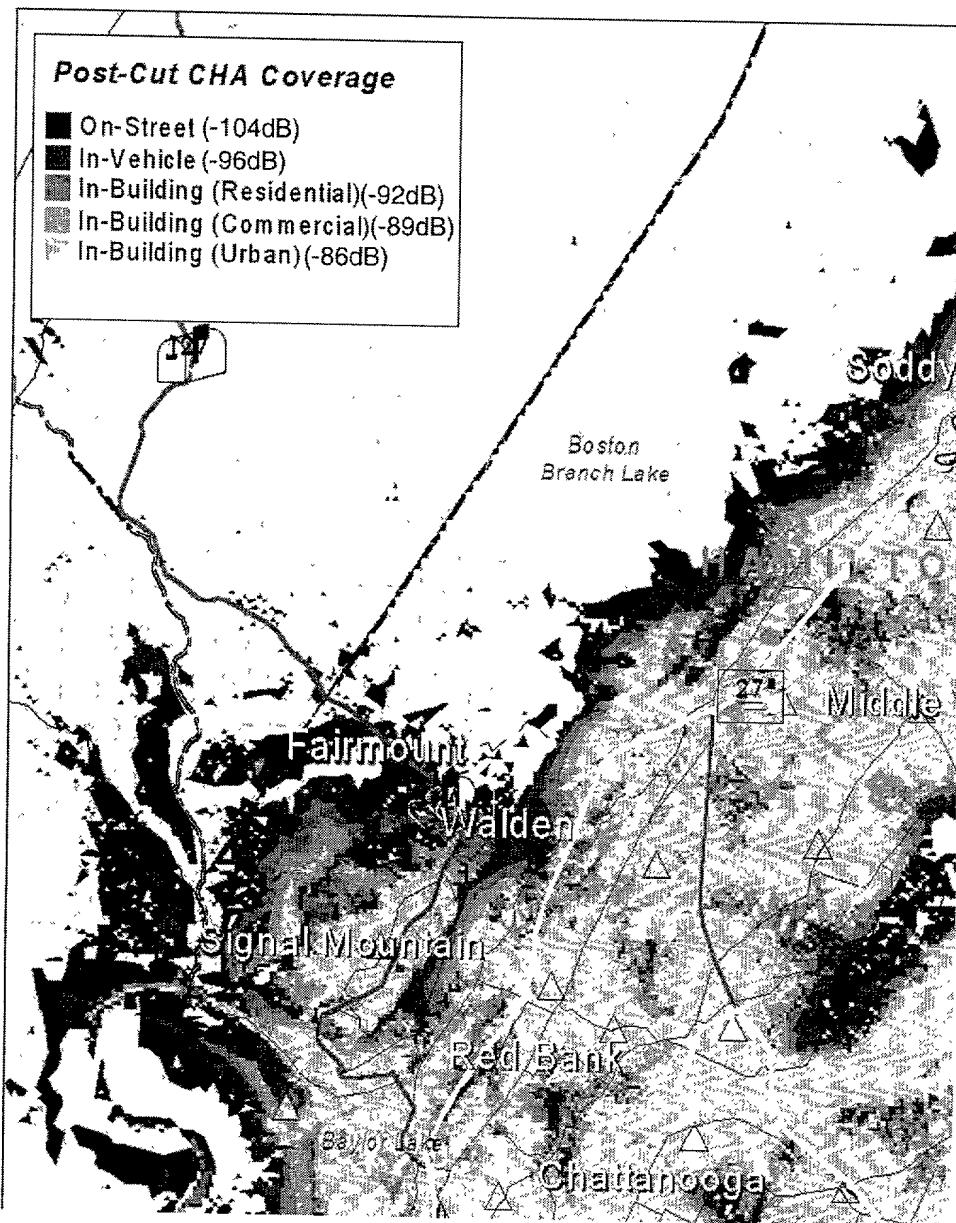


Fig. 9A

Post-Cut CHA Coverage

- On-Street (-104dB)
- In-Vehicle (-96dB)
- In-Building (Residential)(-92dB)
- In-Building (Commercial)(-89dB)
- In-Building (Urban)(-86dB)

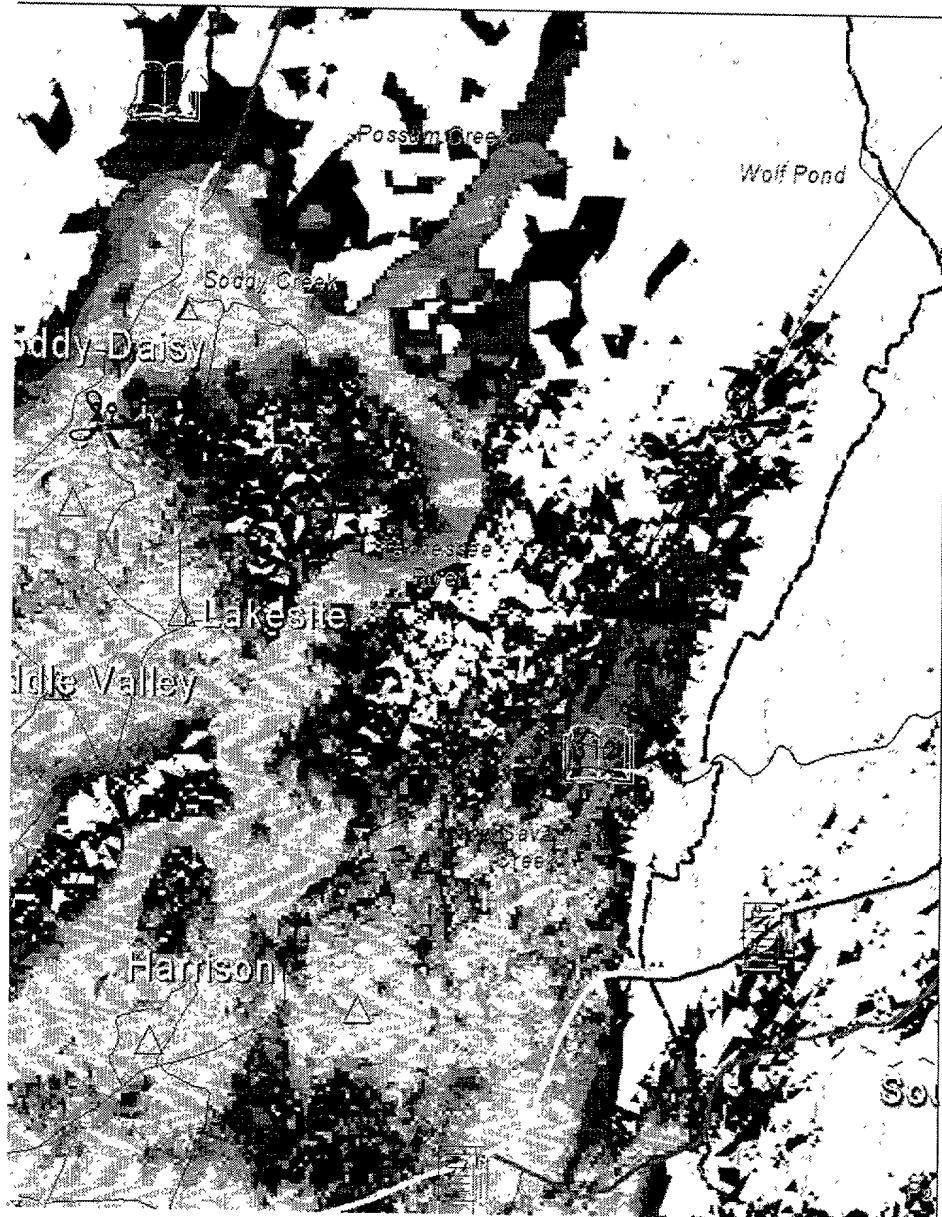


FIG. 9B

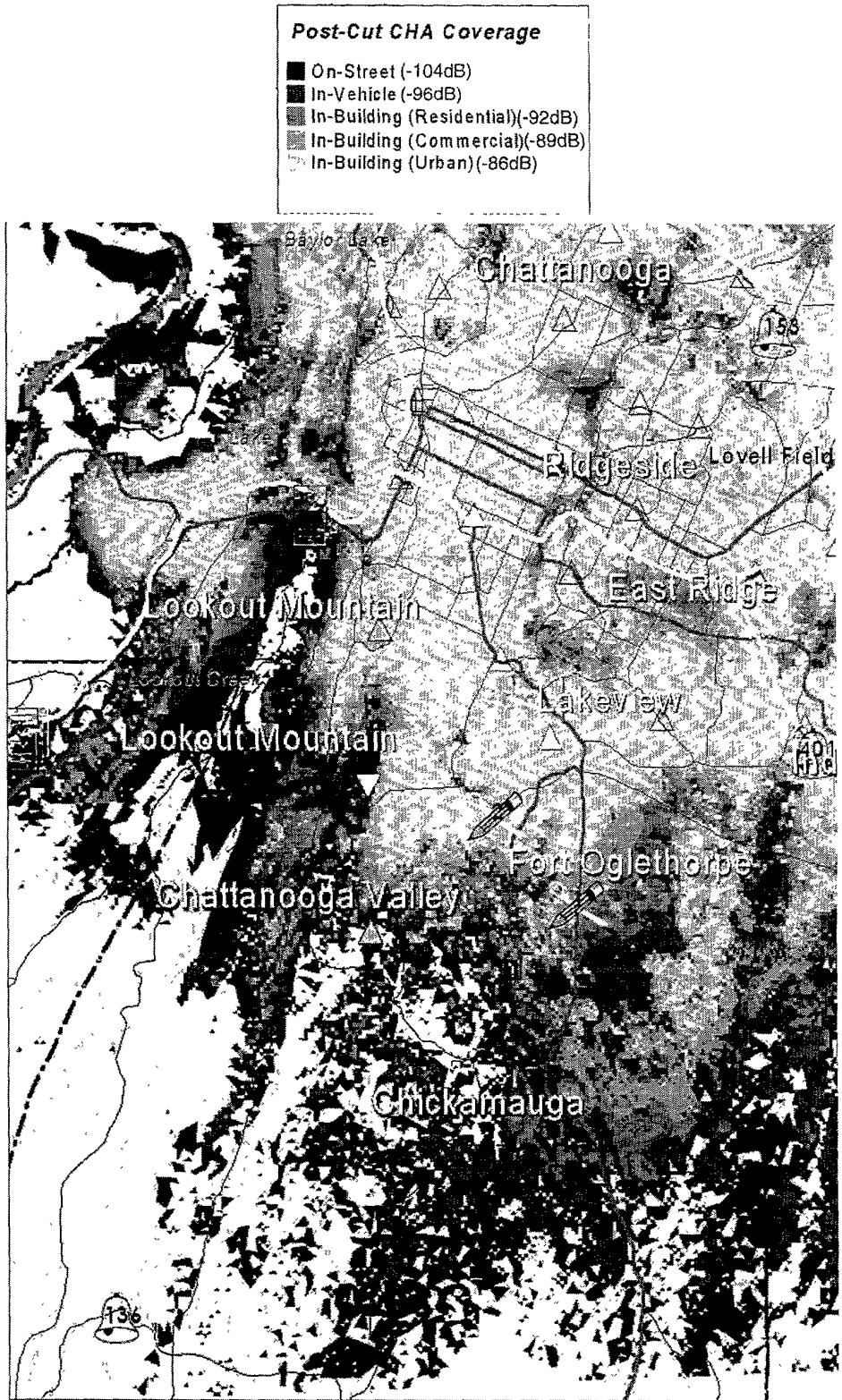


FIG. 9C

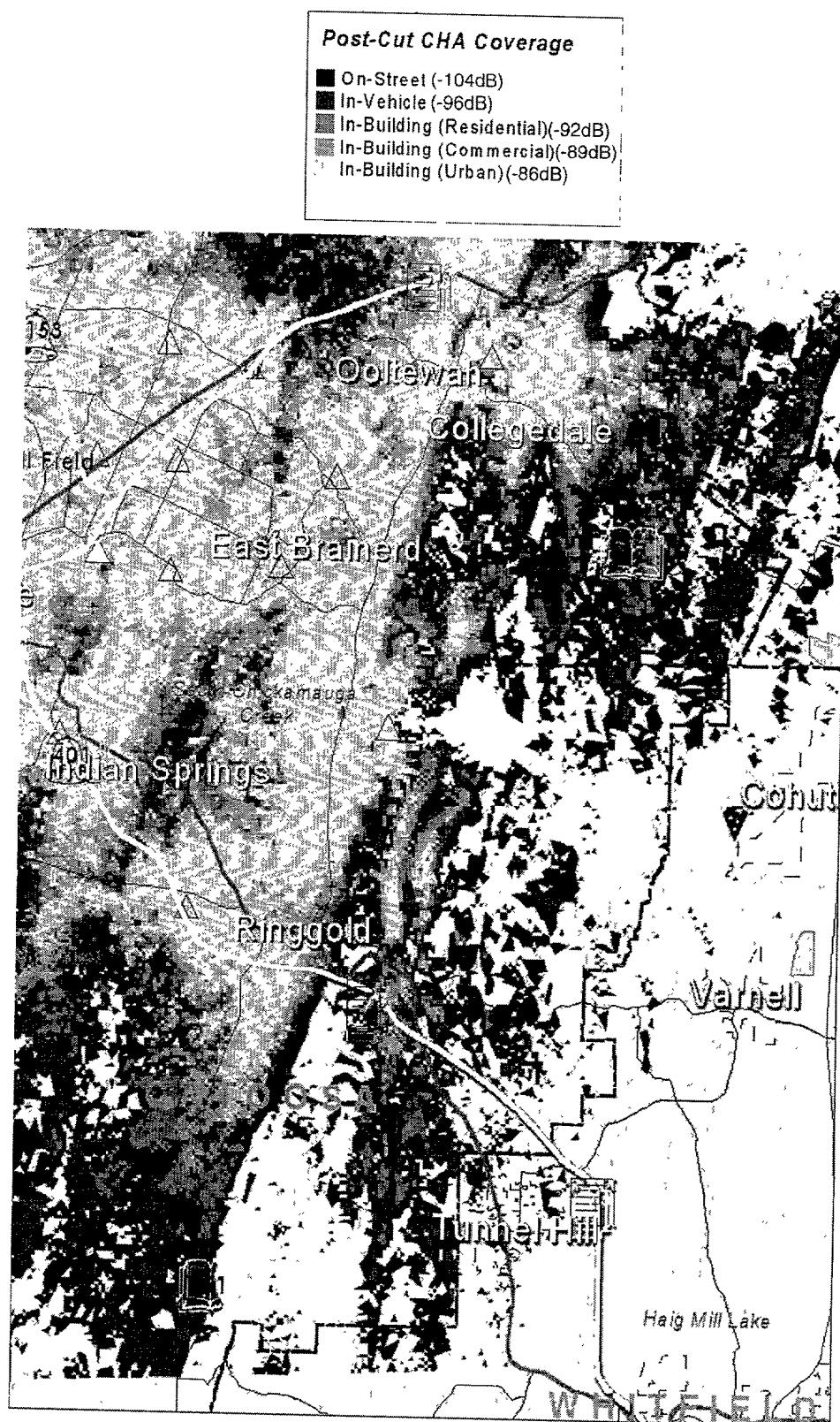


FIG. 9D

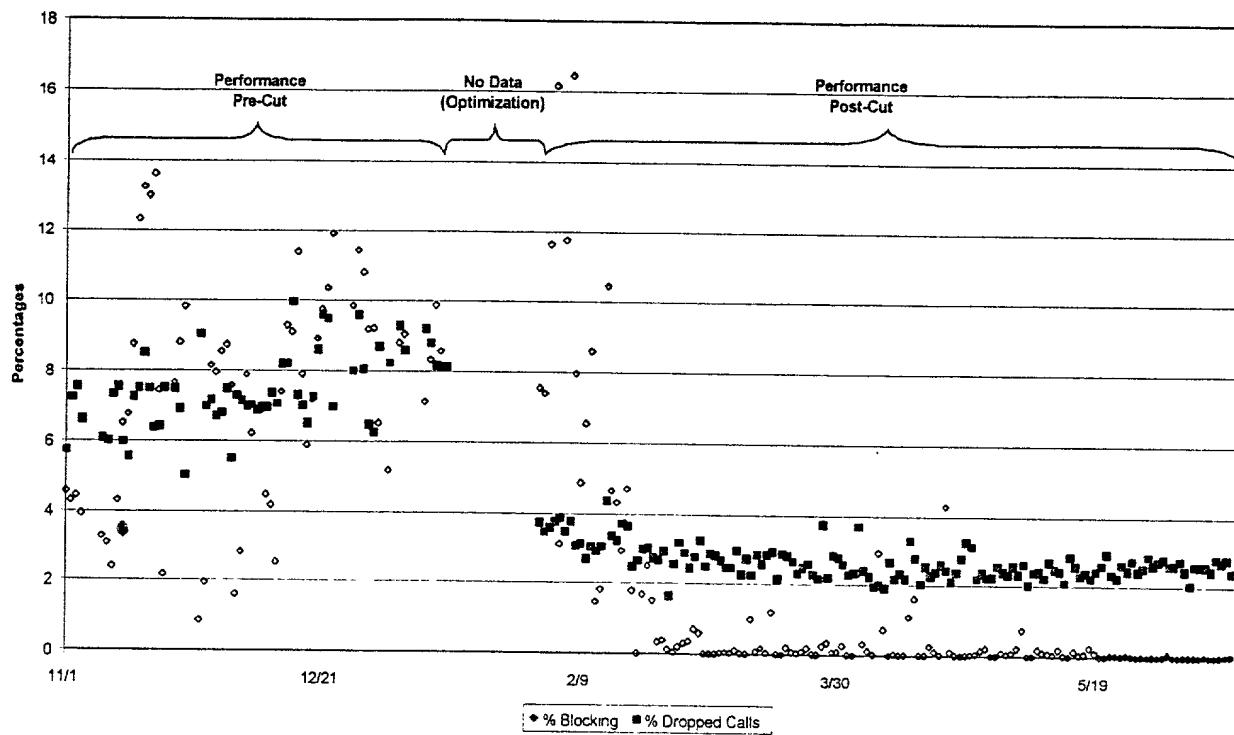


FIG. 10a

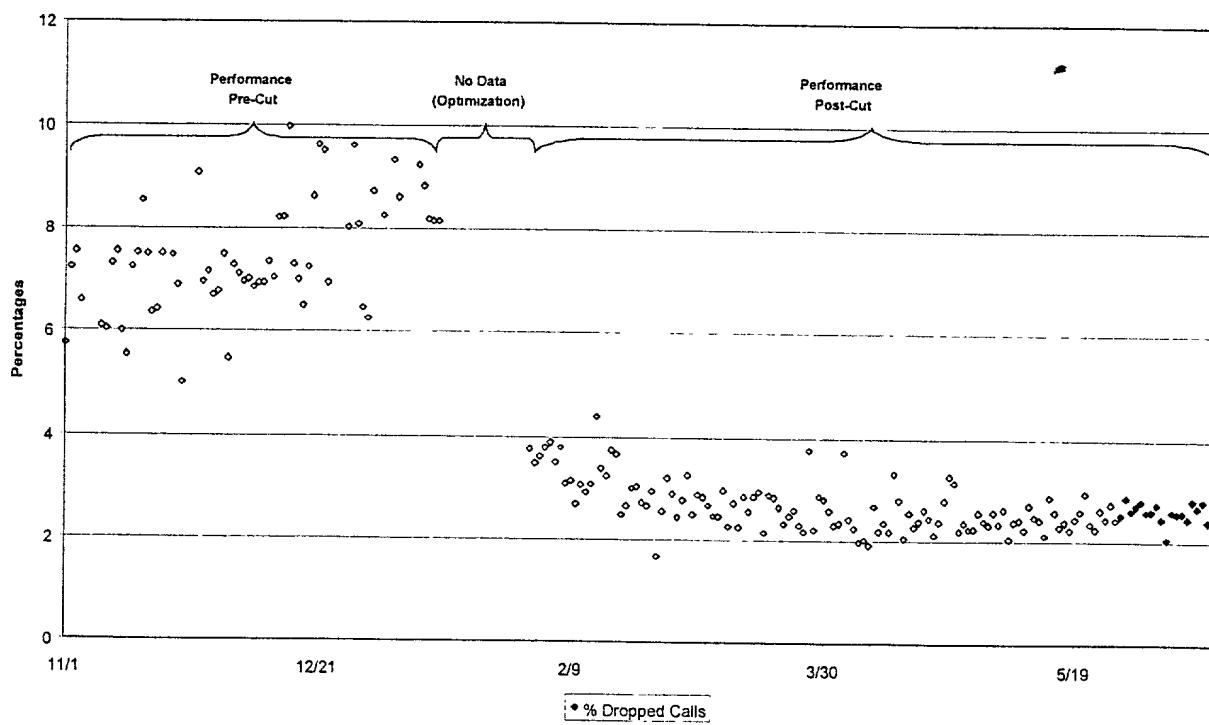


FIG. 10 b

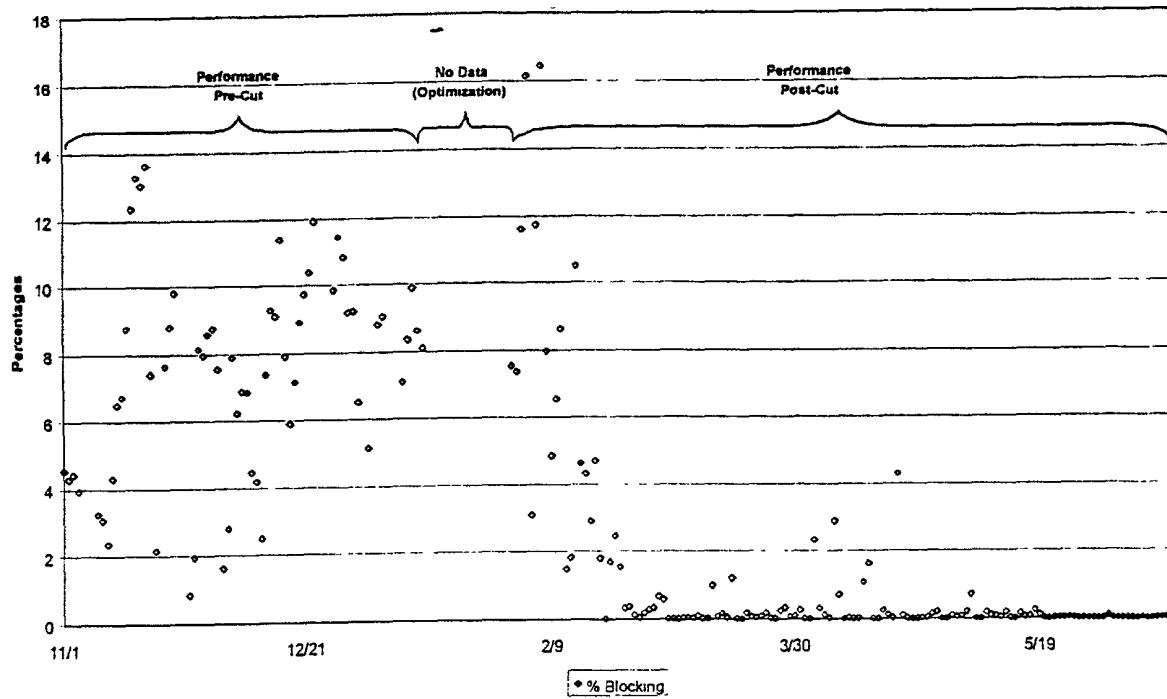


Fig. 10C

Performance Pre-Cut No Data (Optimization) Performance Post-Cut

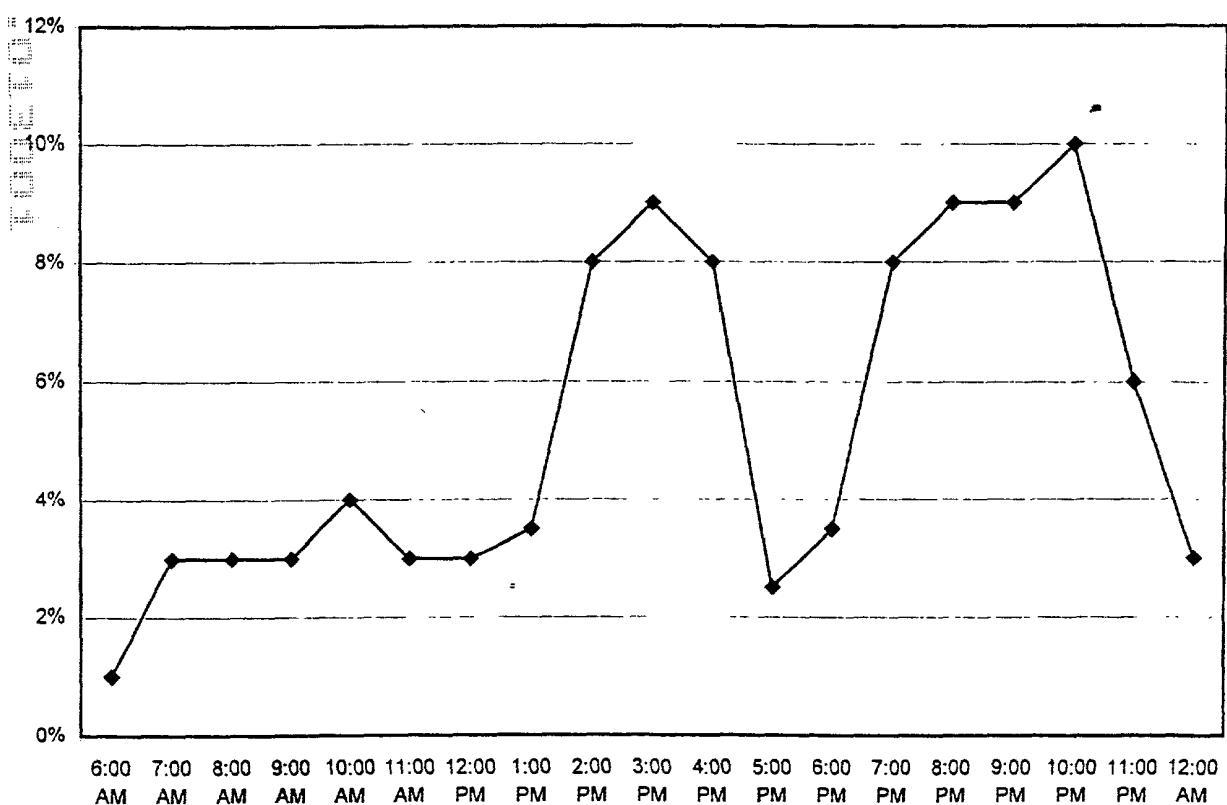


Fig. 11

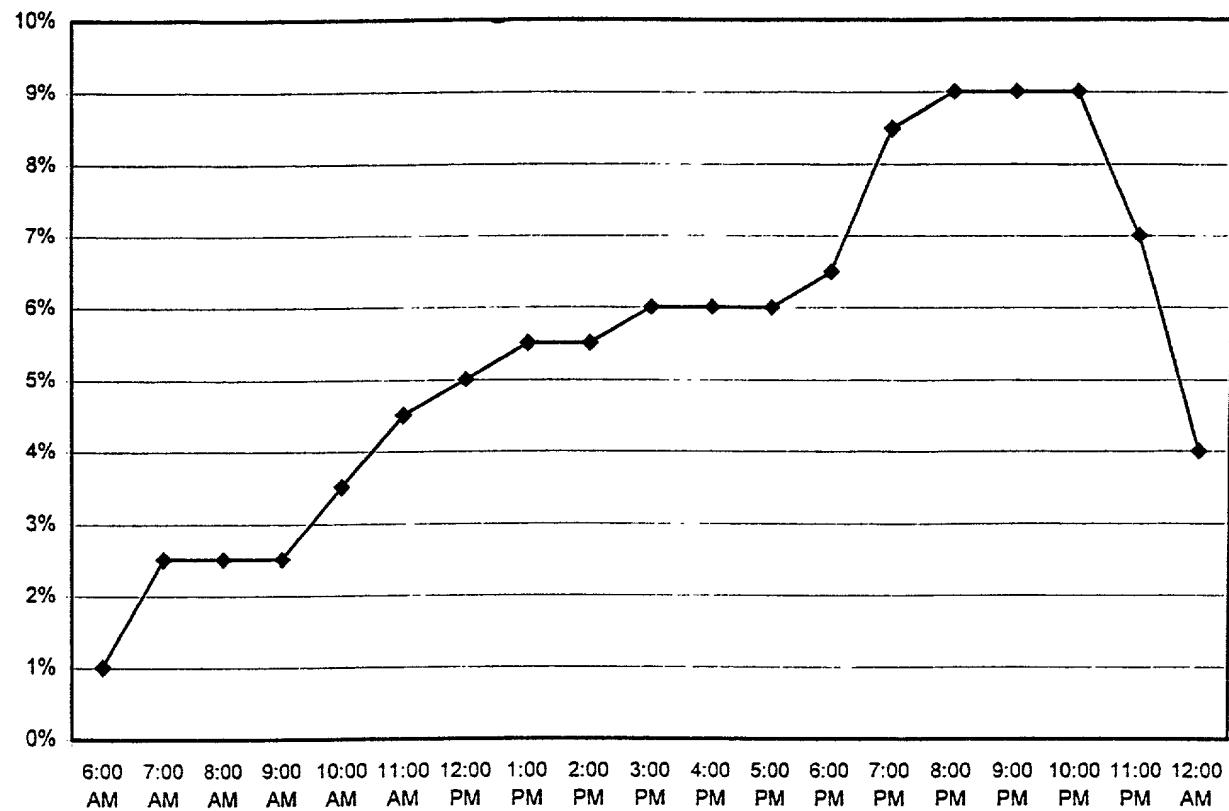


Fig. 12

Y-axis label: %

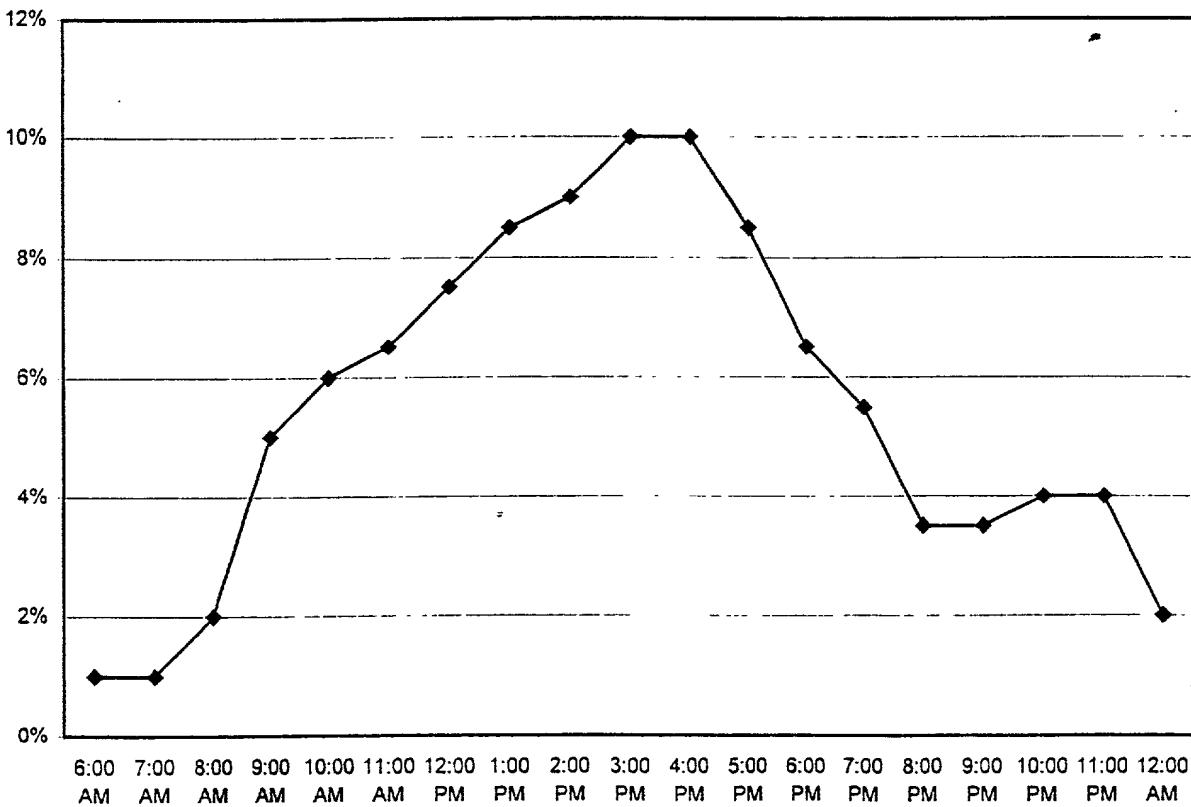


Fig. 13

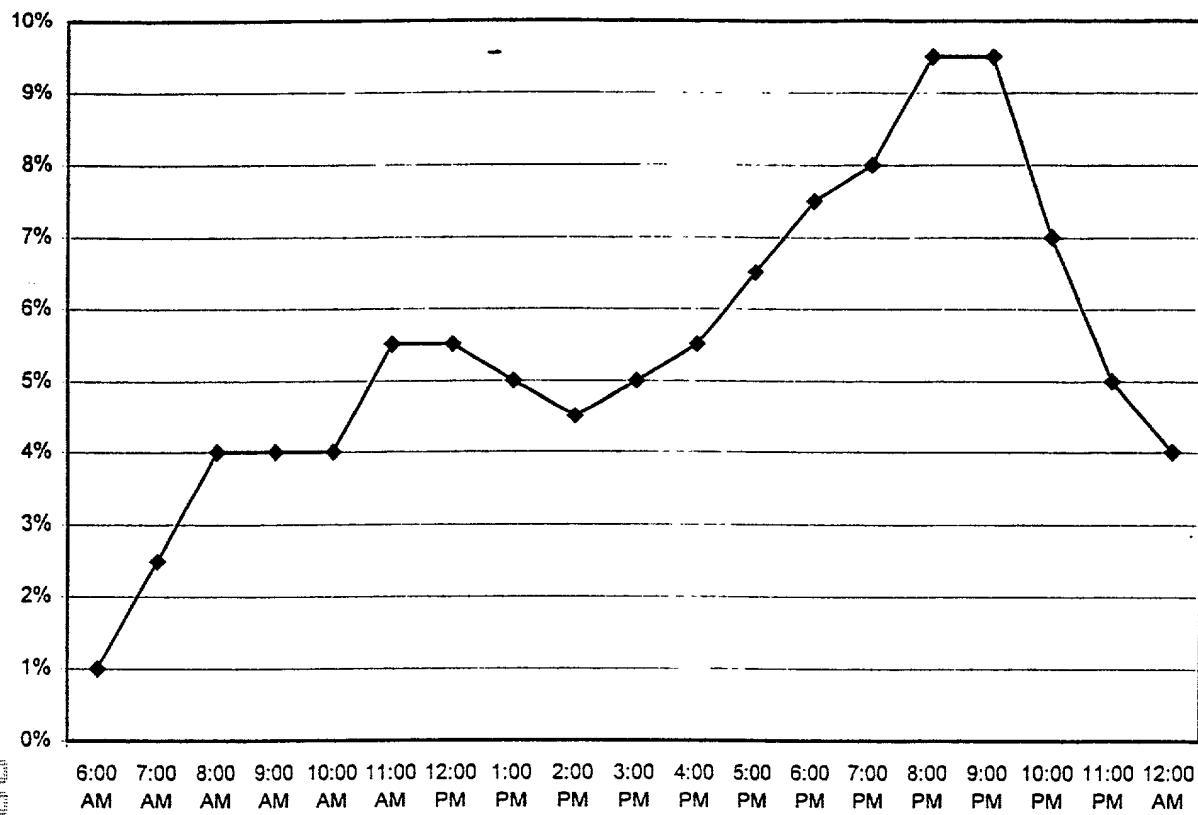


Fig. 14

AM 6:00 7:00 8:00 9:00 10:00 11:00 12:00
PM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 11:00 12:00

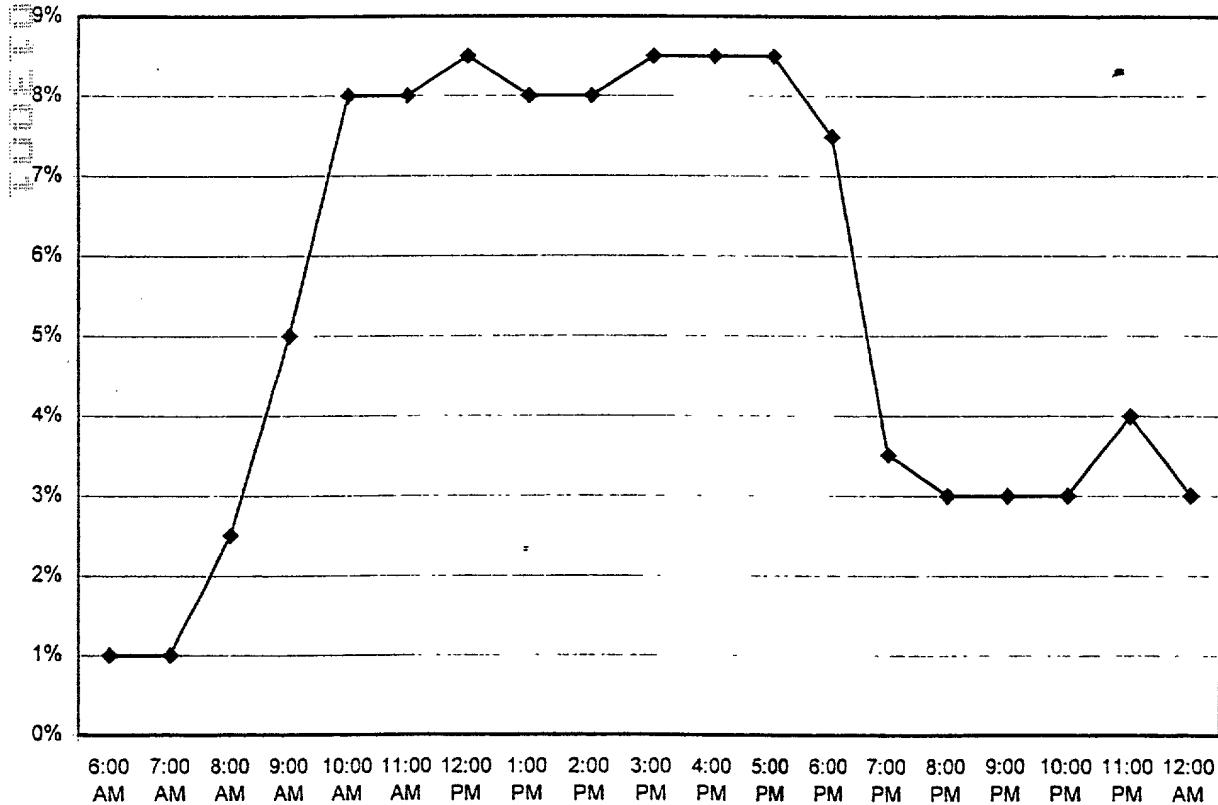


Fig. 15

AM 6:00 7:00 8:00 9:00 10:00 11:00 12:00
PM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 11:00 12:00

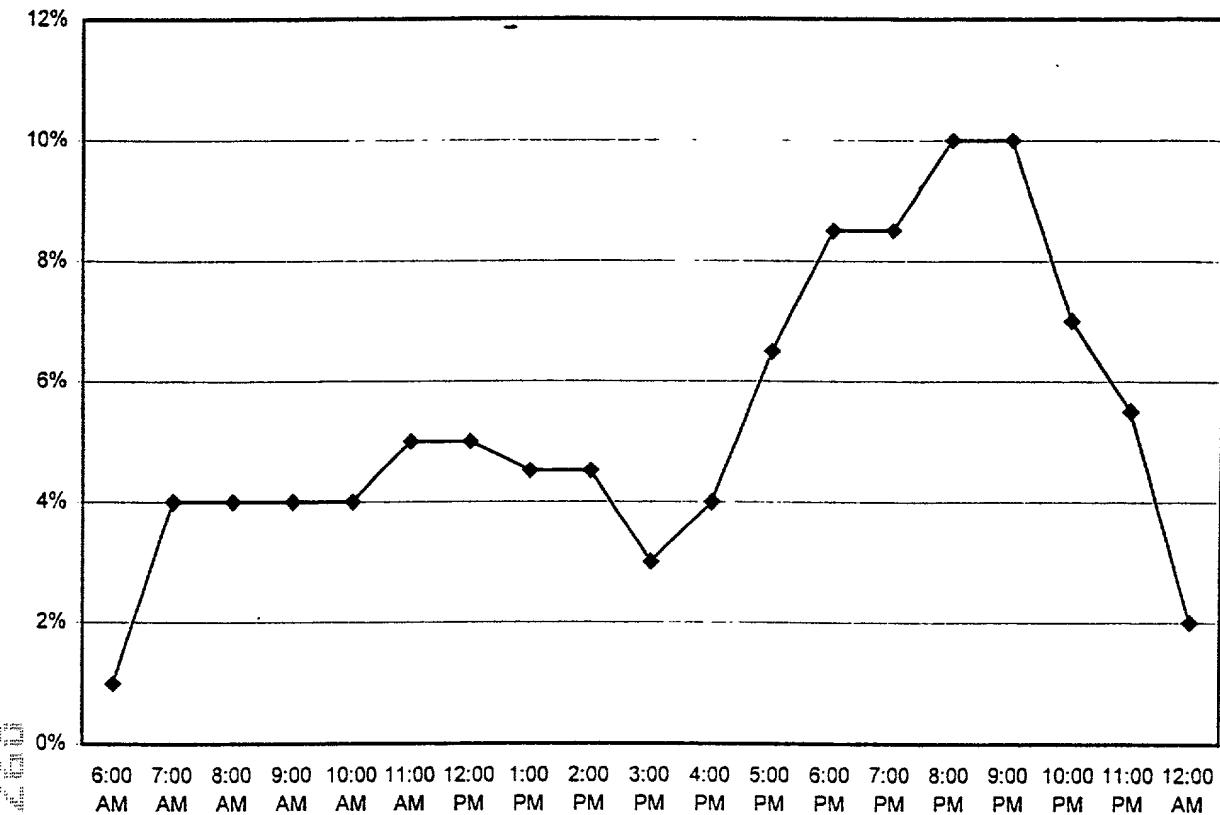


Fig. 16

Graph showing the relationship between time and a measured variable.

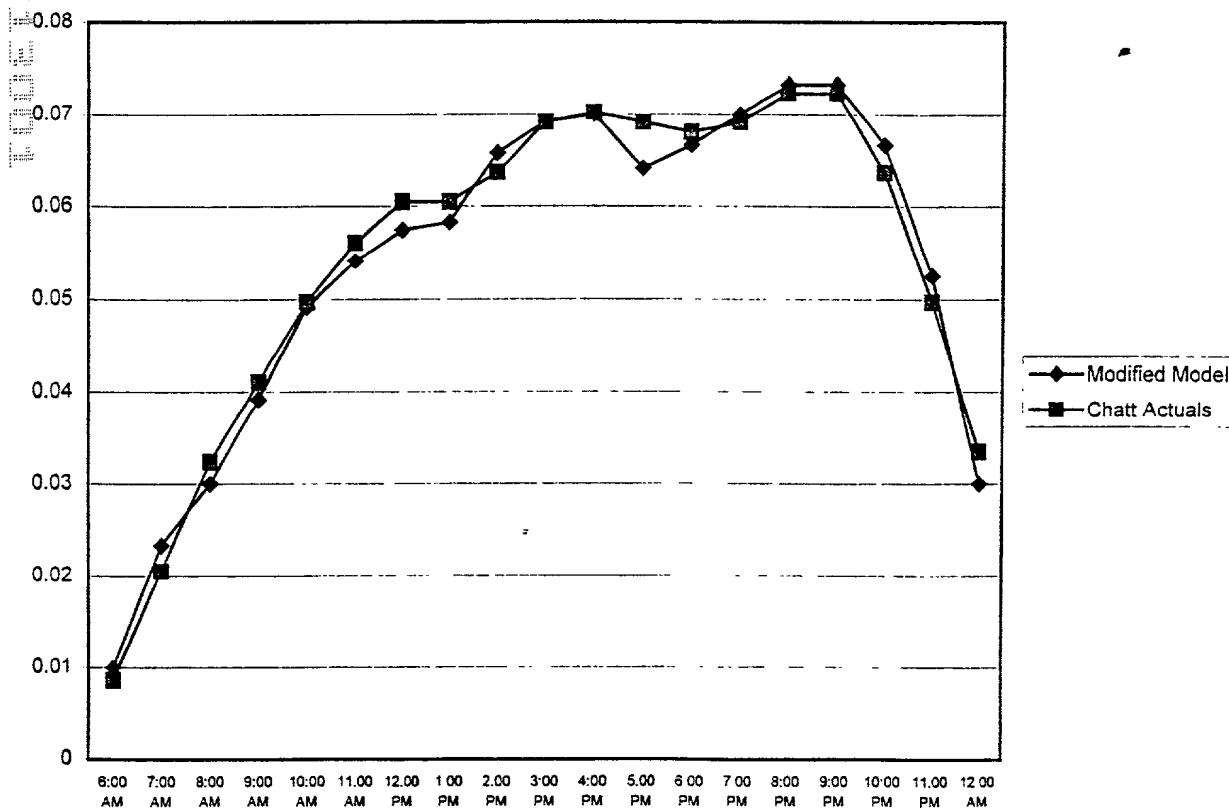


Fig. 17

Proof of Concept

Chattanooga

Cricket was EBITDA break-even in Chattanooga at 12 months

7.7% Penetration	12 months	5 years
24,000 customers as of 2/29/00		
Costs In First Year		
Cost per Gross Add	<\$230	\$550
Support costs/Average Sub	\$5.60	\$11.45
Operations cost/MOU	\$0.013	\$0.039

Fig. 18

Capital Utilization

	Year From System Launch					
	1	2	3	4	5	10
	(In Thousands of Dollars)					
Cummulative Anticipated Capital Expenditure Per Subscriber (Average)						
PowerTel (GSM)	9,516	4,613	2,528	1,689	1,280	692
Sprint (CDMA)	19,367	4,349	1,860	954	729	586
Present Invention	2,354	2,628	1,949	1,183	877	550
Capital Expenditure Per Erlang (Average)						
PowerTel (GSM)	278	163	98	70	56	33
Sprint (CDMA)	968	217	93	47	36	29
Present Invention	47	52	38	23	17	11

Fig. 19

Re-Engineering the Cost Structure

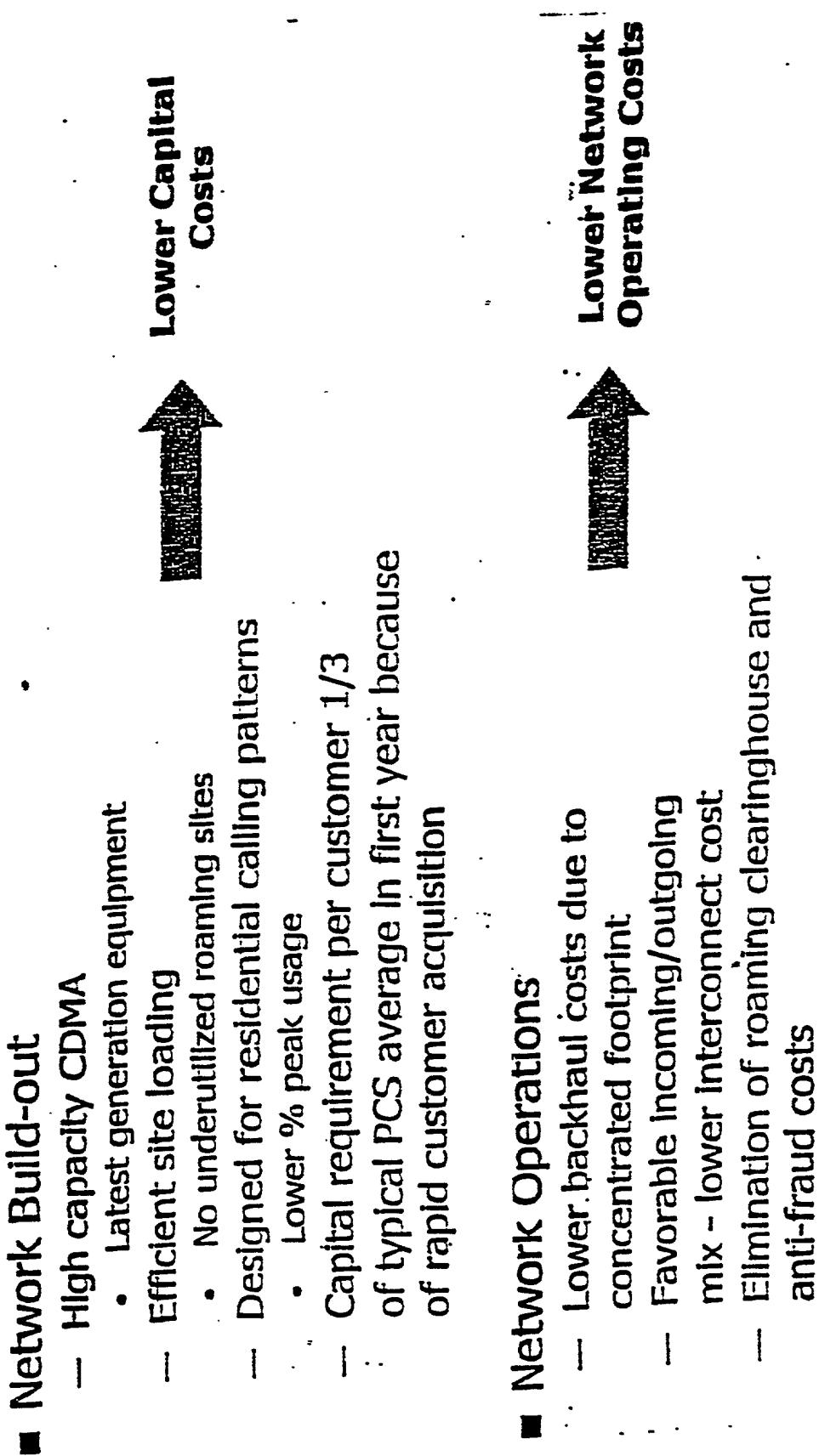


Fig. 2Dα

Re-Engineering the Cost Structure (cont'd)

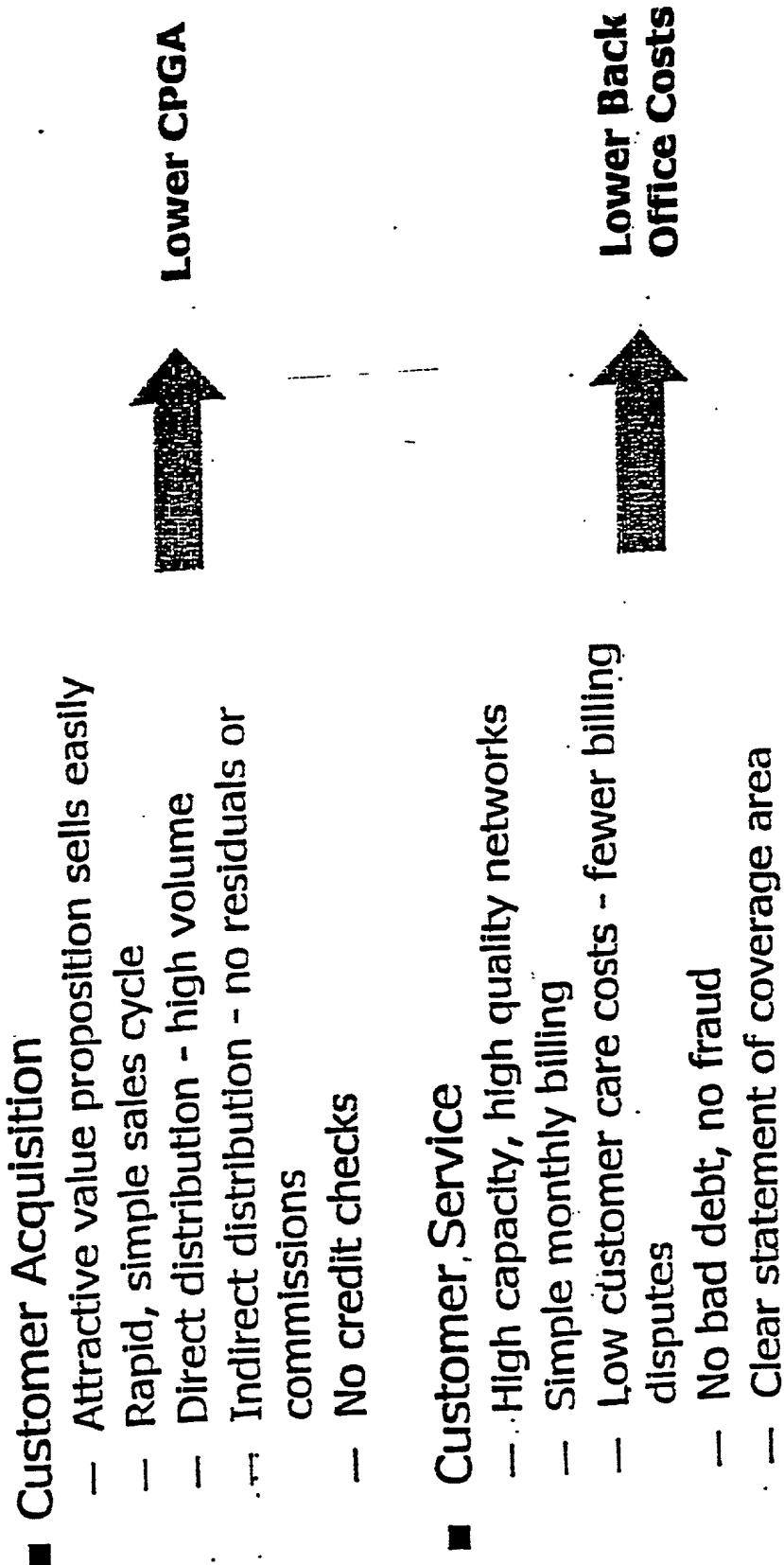
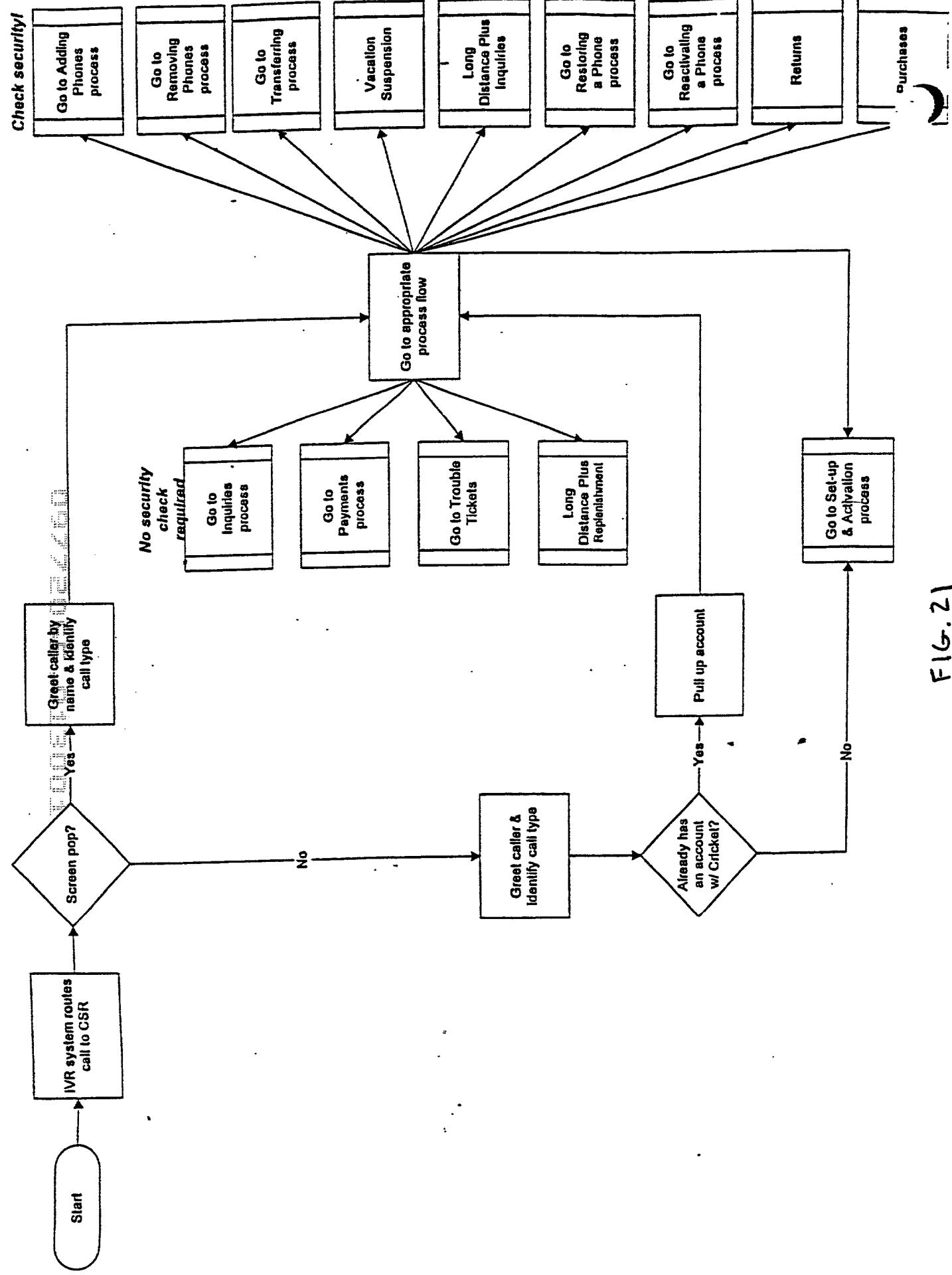


FIG. 20b

Fig. 21



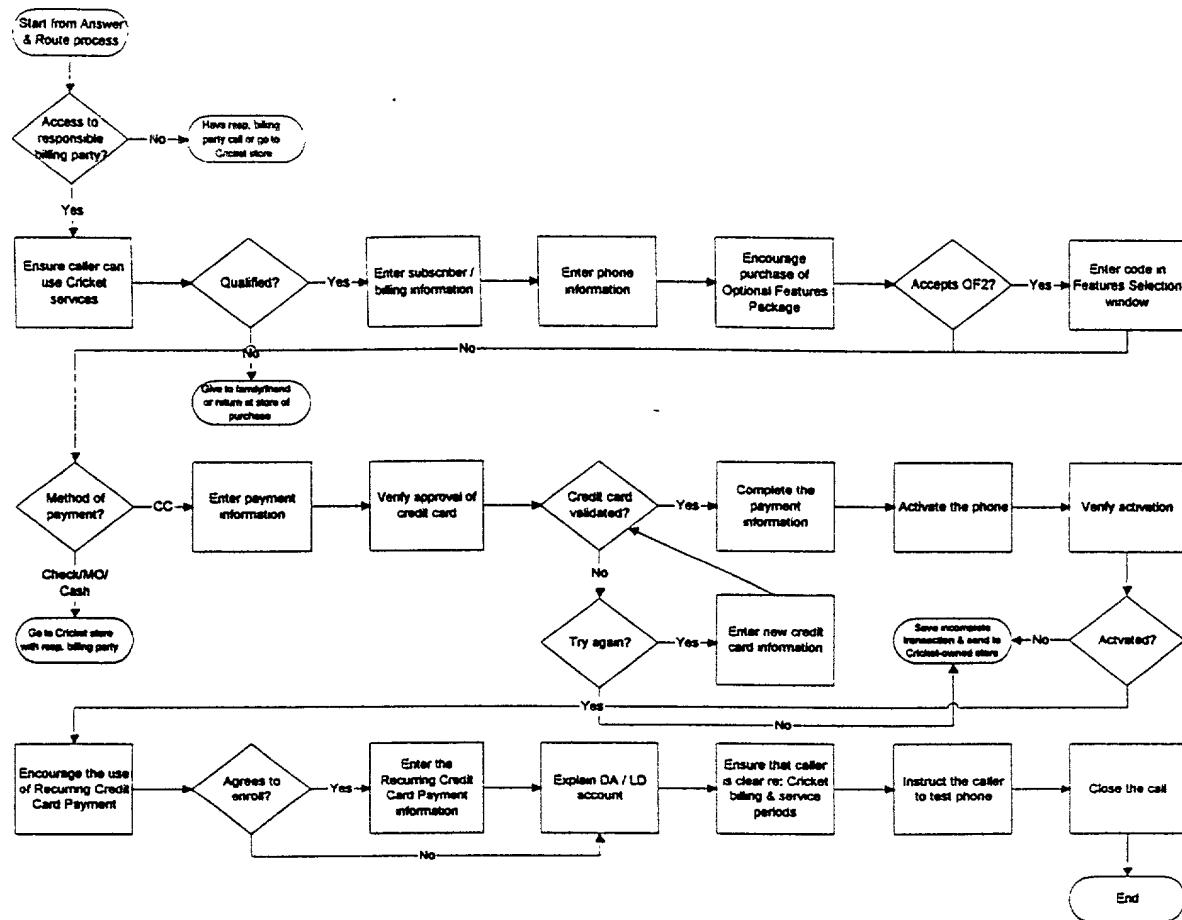


FIG. 22

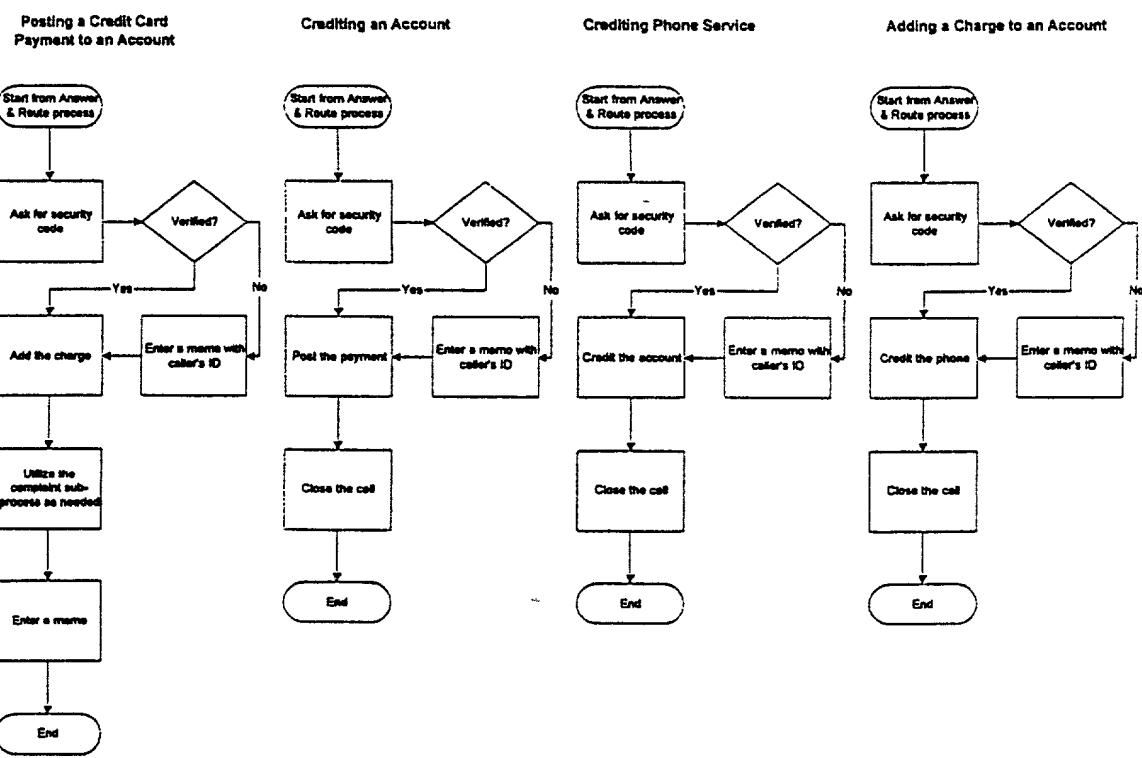


FIG. 23

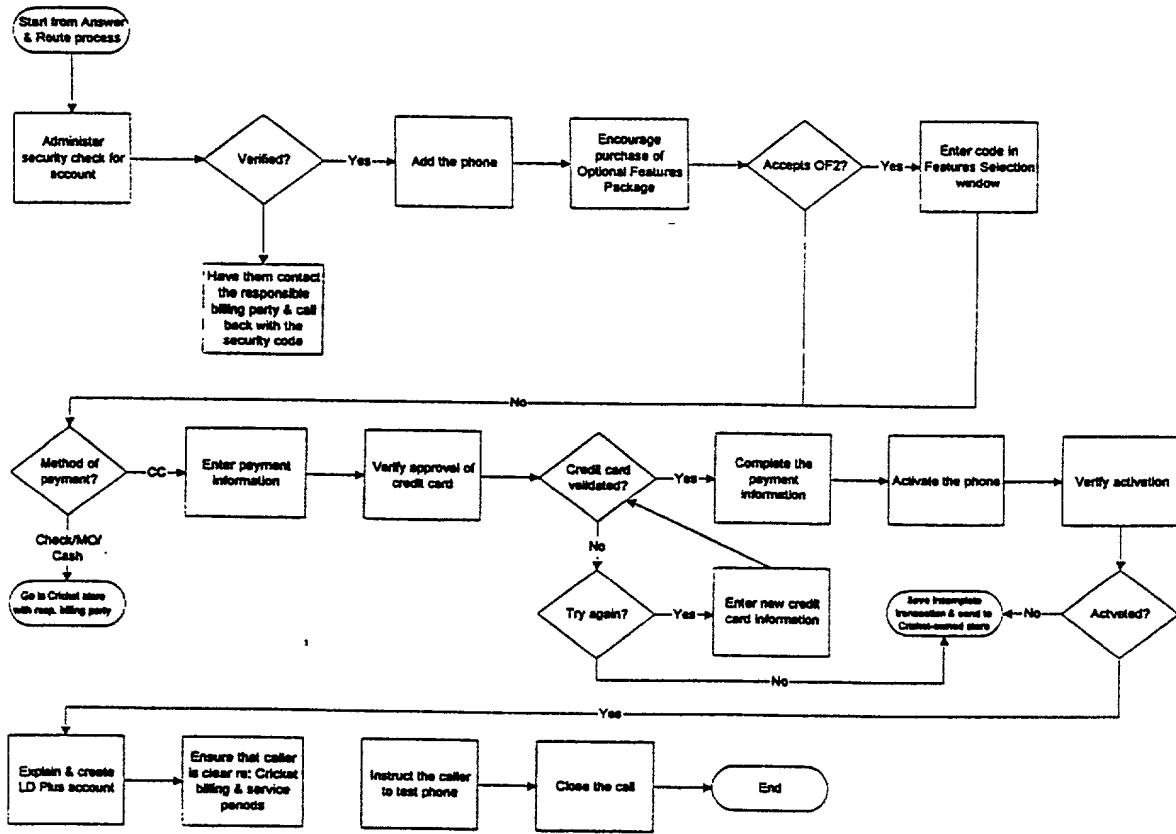


FIG. 24

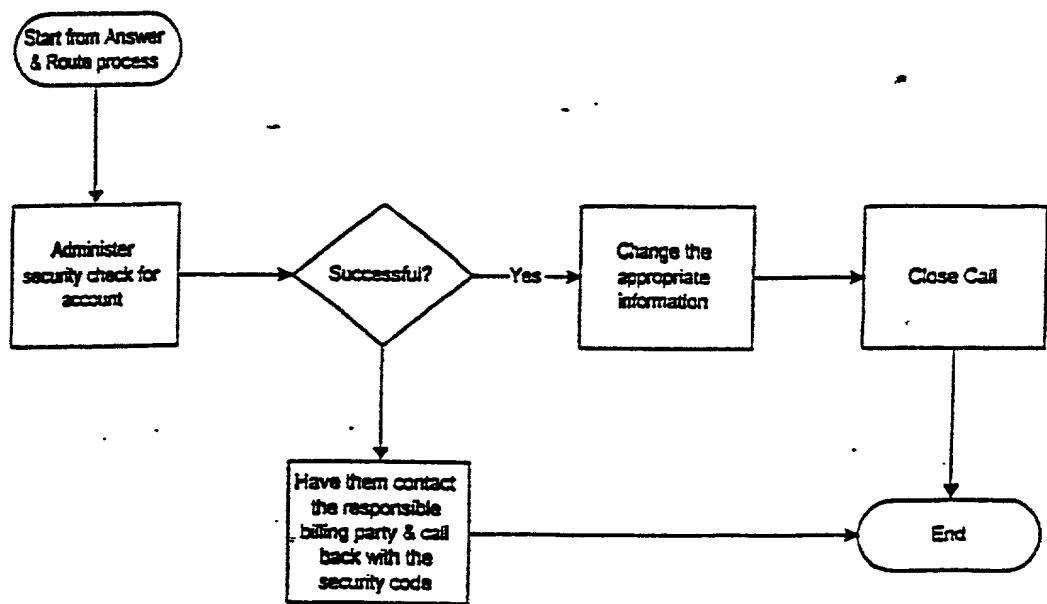


FIG. 25

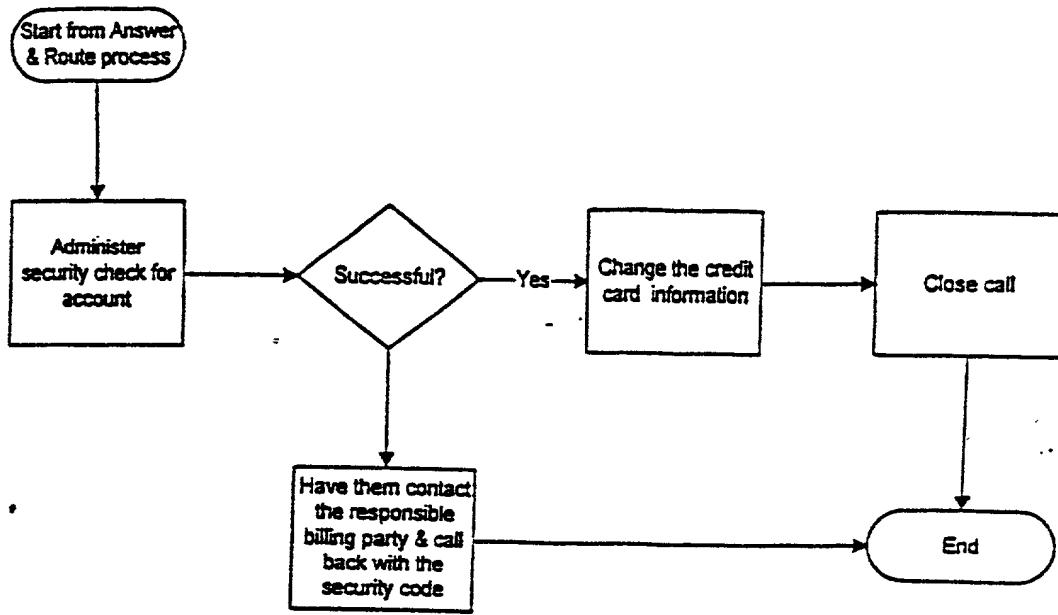


FIG. 27

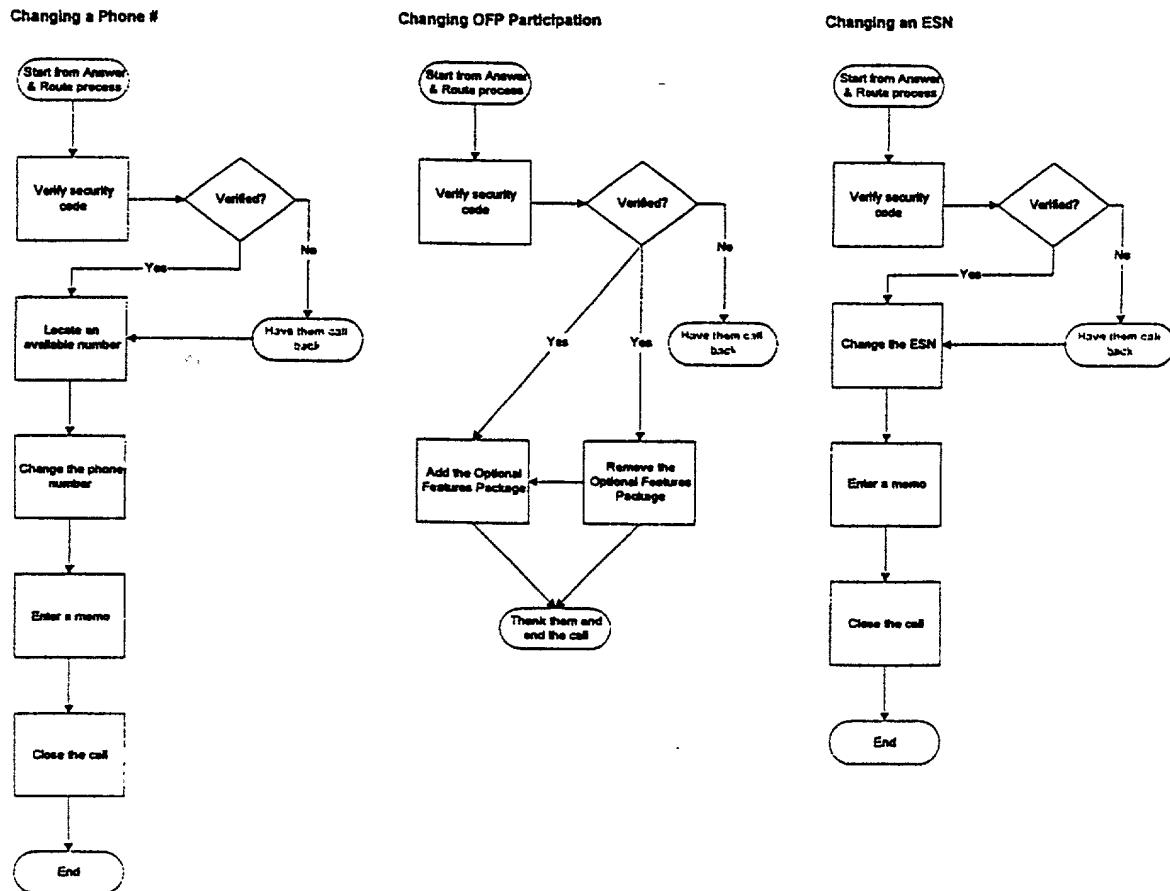


FIG. 26

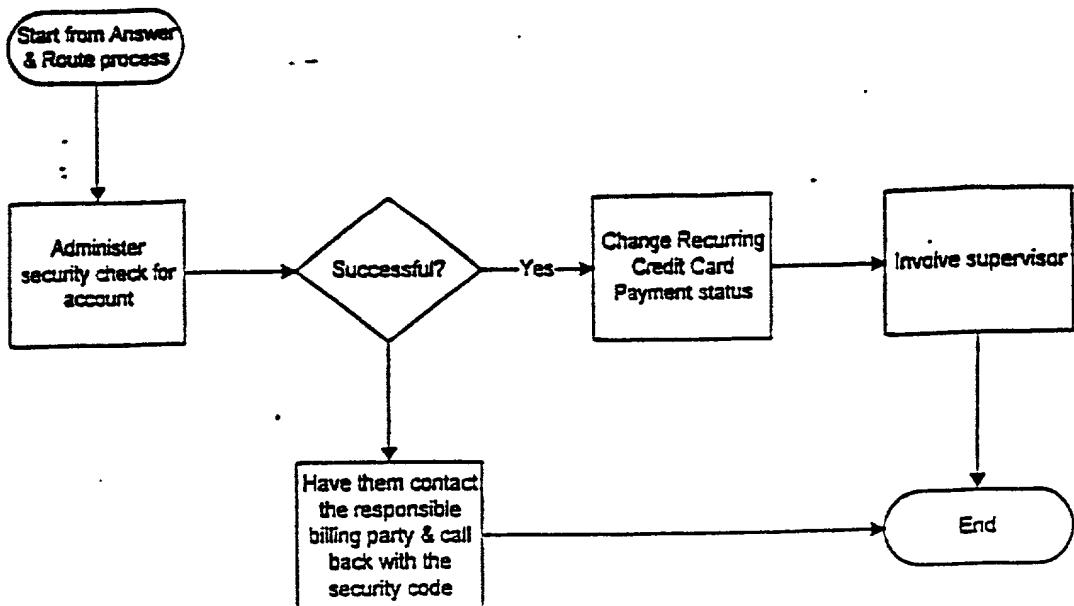


FIG. 28

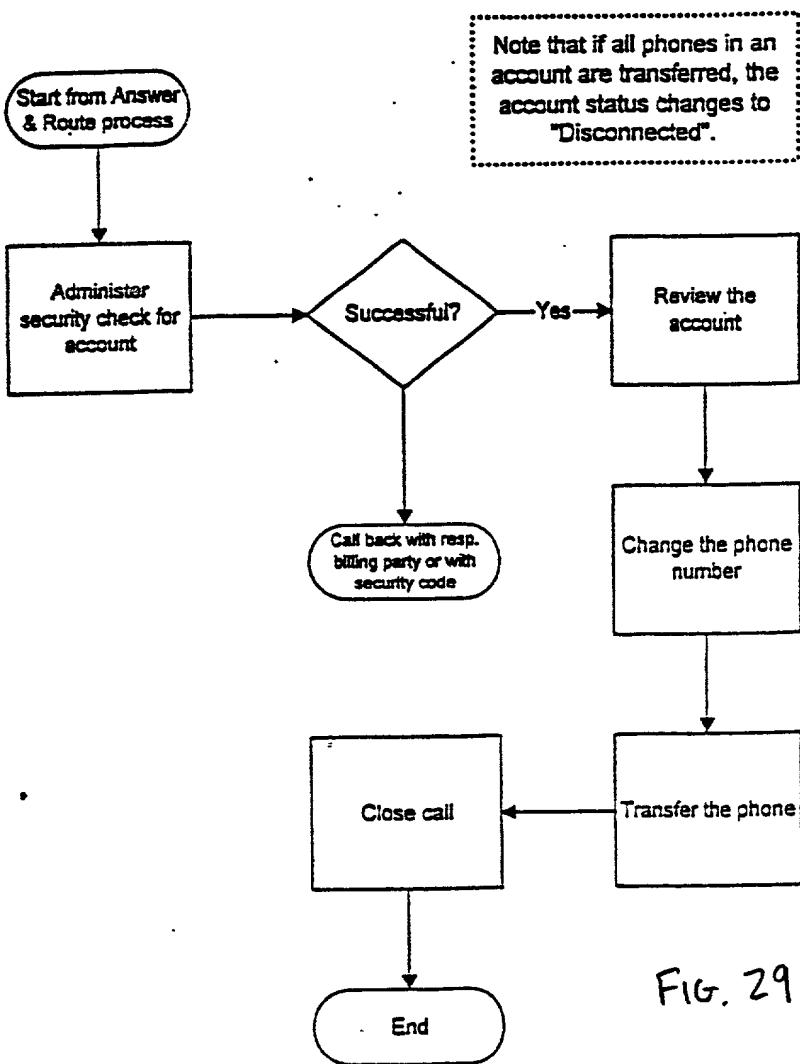


FIG. 29

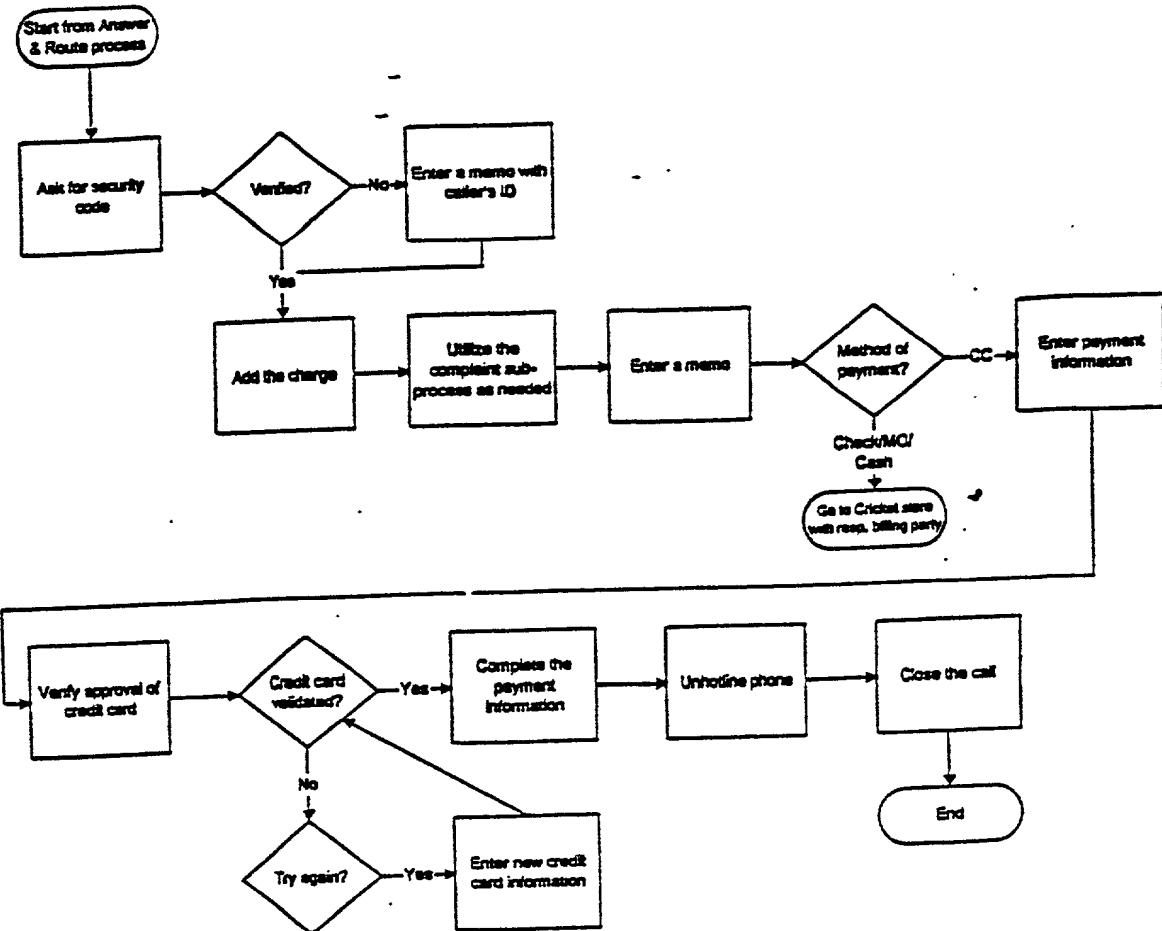


Fig. 30

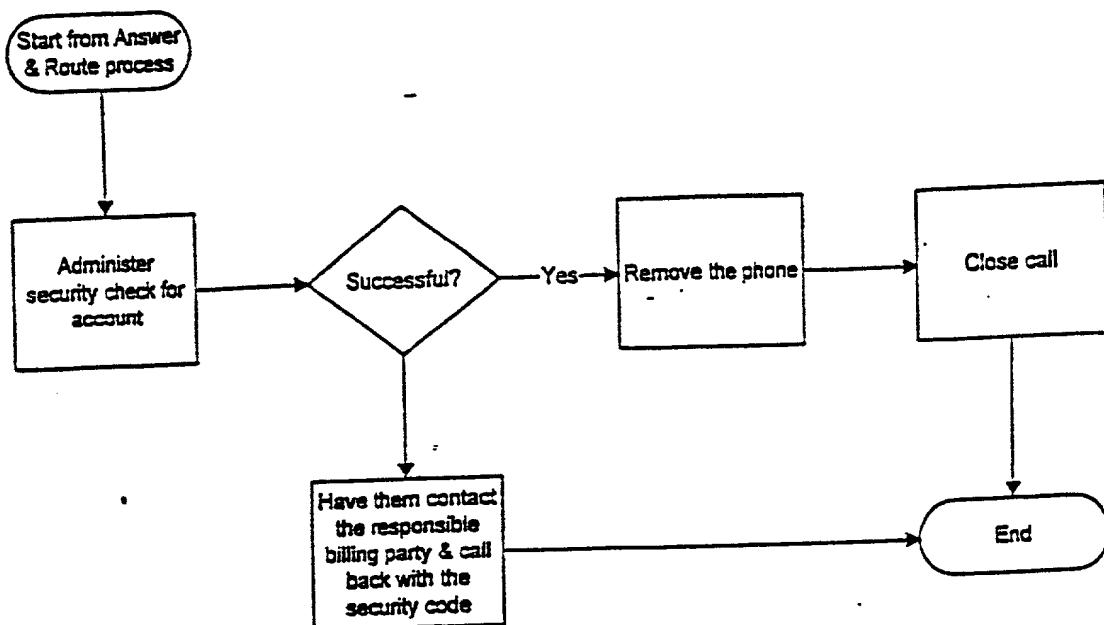
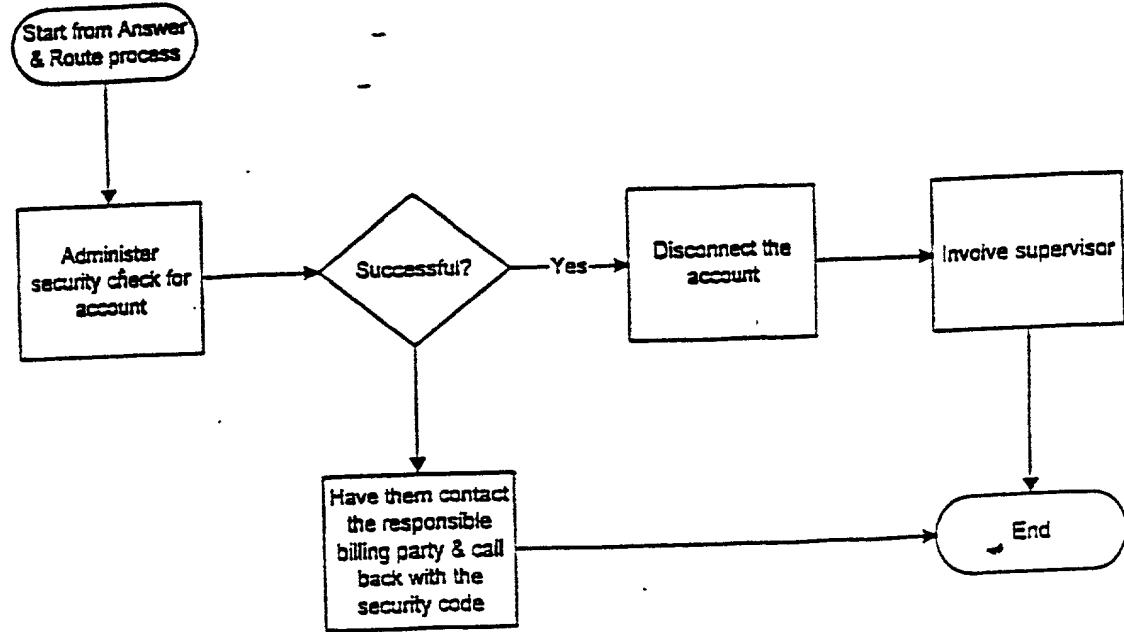


Fig. 31



- FIG. 32

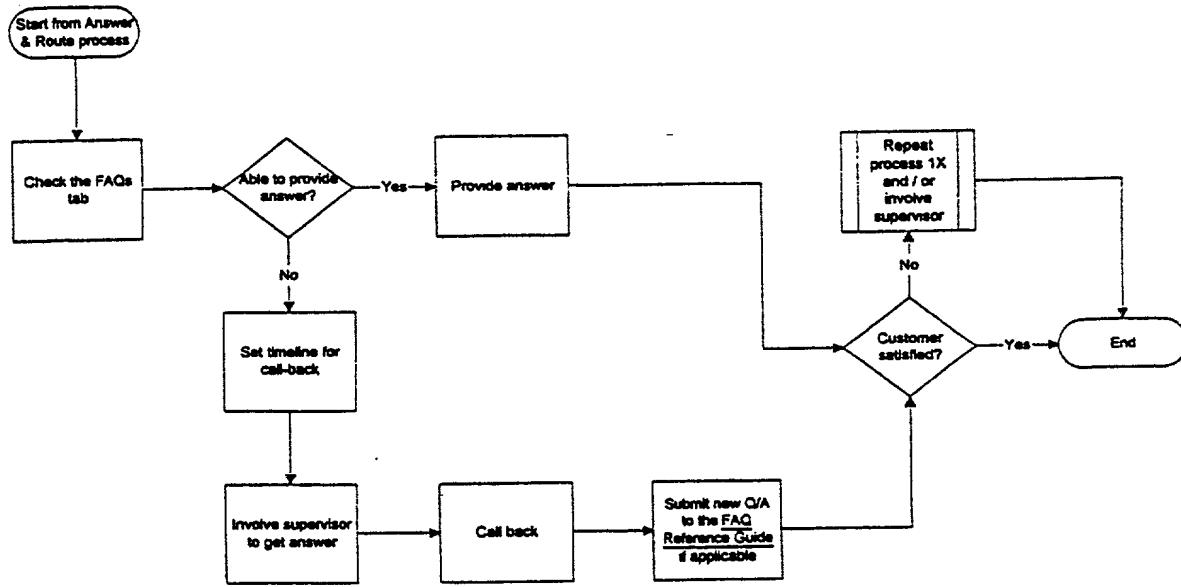


FIG. 33

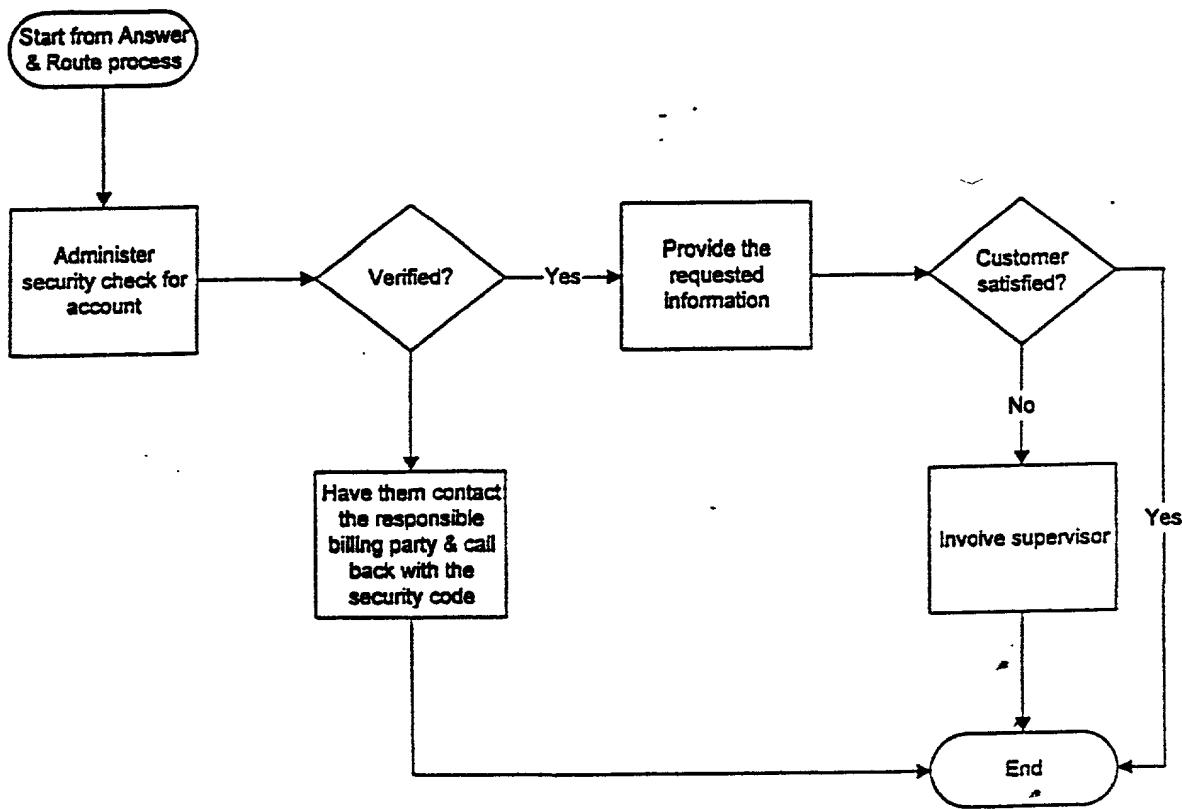


Fig. 34